GRANDIO
GREENHOUSES

Model **GRA-ASC-88 / GRANDIO 8X8 ASCENT**

Model GRA-88-GR Shown In Image

GREENHOUSE USER MANUAL

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August 1, 2014 Manual Edition

GRANDIO
GREENHOUSES

Dear Valued Customer,

We would like to congratulate you on your new Grandio Greenhouse purchase. We are confident that you have made the right decision in choosing Grandio. Our greenhouses are made with high quality aluminium and polycarbonate and will last for many garden seasons to come.

Please take the time to carefully read this instruction manual for an easier and more enjoyable assembly experience.

Cheers!

Grandio Greenhouses

Save this owner's manual for future reference and if you need our help.

CONTACT OUR CUSTOMER SERVICE DEPARTMENT at:
1-866-928-3150

Hours: 8:30a.m.-5:00p.m. Monday through Friday (Mountain Standard Time)

Backyard Living Source
9543 W. Emerald St., Suite 101
Boise, ID 83704
www.grandiogreenhouses.com

IMPORTANT! PLEASE READ BEFORE BEGINNING ASSEMBLY

Before you begin take time to complete this check list. ☑

- ☐ Take inventory of all parts using the parts list at the back of this manual, each piece should be labeled with a part number.
- ☐ Be cautious where you place the polycarbonate panels as they will burn grass or plants if left on top of them in direct sunlight. Note that clear film side of panels should always face the sun and opal film side faces inside greenhouse.
- ☐ Plan out when and where you are going to place the greenhouse, we recommend that you place it in an area that will receive direct sunlight and will be protected from the wind as much as possible
- ☐ It will take at least (2) people to put the greenhouse together.
- ☐ Before your build, make sure you are allowed to build it! Consult all building codes, as well as City or Municipality ordinances and HOA's, as you may need a permit or documentation before you build.
- ☐ Contact your insurance company to make sure your Grandio Greenhouse will be covered on your policy.
- ☐ Call your local utilities companies before digging.
- ☐ Do not attempt to begin construction on a windy day.
- ☐ Your greenhouse should be built on a flat level surface allowing for drainage.
- ☐ Read this entire manual to get familiar with all pieces and parts prior to beginning assembly. Follow the steps outlined in the order presented!

IMPORTANT! SAFETY INSTRUCTIONS

FAILURE TO FOLLOW THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

To ensure safety, do not attempt to assemble this product without following the instructions carefully. Check entire box and inside all packing material for parts and/or additional instruction materials. **Before beginning assembly, read the instructions and identify all parts using the hardware identifier and parts list on pages 35-40. Complete assembly and proper usage are essential to reduce the risk of accident or injury when using your Grandio Greenhouse.**

CAUTION: Do not leave polycarbonate panels laying on grass or leave in the sun or extreme heat, keep in a cool dry place until they are to be installed!! (May cause burning to plants or grass if left directly on top of them, also may damage panels due to the protective film adhering to panels.)

• Remove approximately 2 inches of film from all polycarbonate sheet edges before installing. Remove all protective film immediately after the construction is completed. Clear film side of panels should always face the sun and opal film side faces inside.

• Due to shipping, the grooves of some of the aluminum profiles may be too small to insert into the polycarbonate sheet, you may carefully use a screwdriver to pry the framework open so the polycarbonate sheet can be inserted smoothly.

• Do not use or store hot objects such as grills, blow torches, welding equipment, etc. in or near your greenhouse.

• Do not allow children or pets to play in greenhouse or in the set up area until assembly is complete.

• If using a ladder during assembly, use extreme caution.

• Clean level surface is essential to maintaining the solid integrity of the structure, Install the base correctly as described in manual. Please anchor the greenhouse down to a firm and level base.

TOOLS YOU WILL NEED FOR ASSEMBLY

- **Outdoor Construction Adhesive or Silicone Caulk**
- **Tape Measure**
- **Level**
- **Carpenter Square**
- **At Least 2 Adults**
- **Step Ladder**
- **Work Gloves**
- **Flathead Screwdriver**
- **No. 1, 2 and 3 Phillips Screwdrivers**
- **Masking Tape**
- **Safety Glasses**
- **10mm Wrench**

GRANDIO TIP

When you see this icon pay special attention to the helpful tips we have provided that will make installation more efficient.

PREPARE A FOUNDATION FOR YOUR GRANDIO GREENHOUSE

Before assembling your new greenhouse a proper foundation must be prepared. A number of anchoring options are acceptable, based on wind and ground conditions in your area.

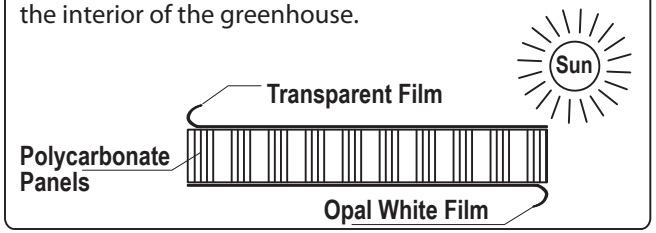
It is extremely important to have the area prepared and leveled for installation of your greenhouse prior to starting the assembly of your Grandio Greenhouse.

Decide at this time the final orientation of your Greenhouse. We recommend that you place your greenhouse in a location where it will receive the most direct sunlight and will be best protected from wind and storm conditions.

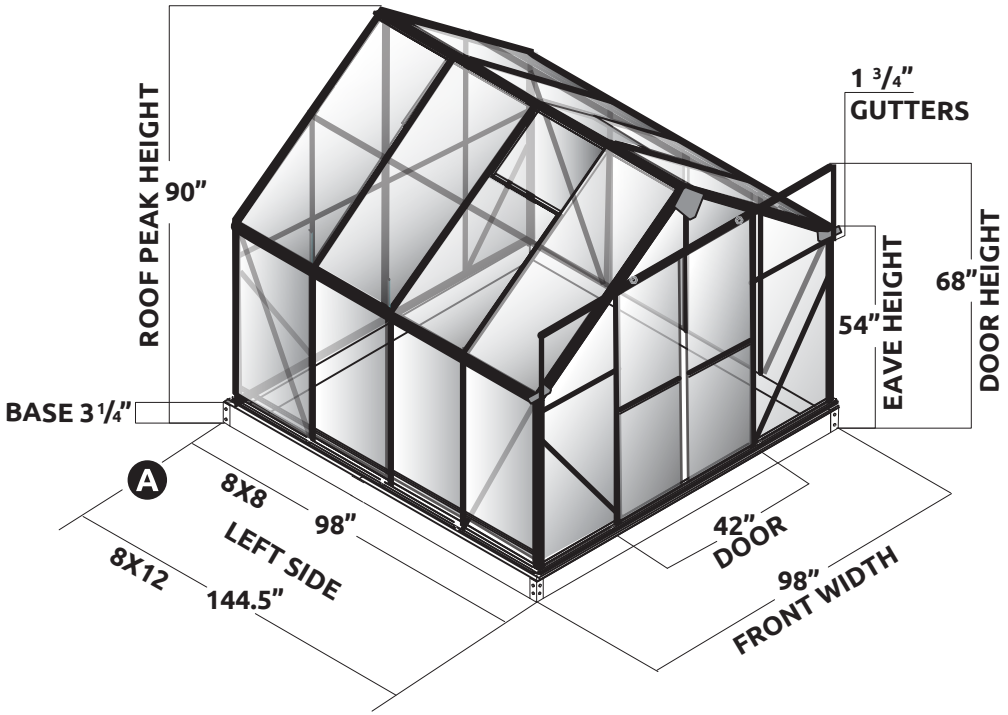
Go to **www.grandiogreenhouses.com** for foundation ideas and tour our online learning center for tips and tricks for putting your greenhouse together.

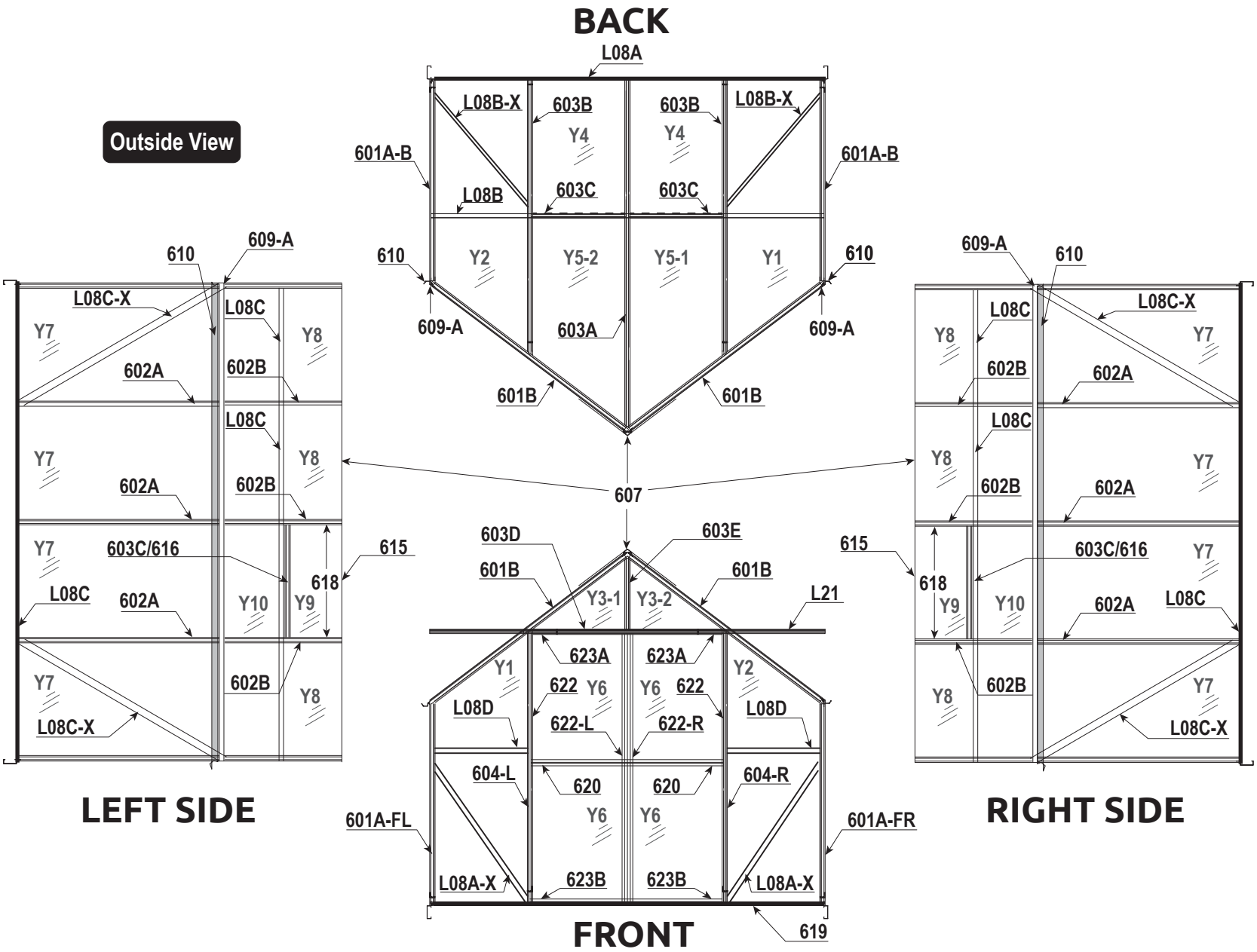
⚠ *IMPORTANT: POLYCARBONATE PANELS* ⚠

Remove approximately 2 inches of film on both sides of each panel prior to installation. Remove all film immediately after assembly is complete. The UV-Protected side is covered with transparent film and must face toward the sun. The side covered in opal film will always face the interior of the greenhouse.



GRANDIO GREENHOUSE DIMENSIONS FOR 8X8 AND 8X12
All dimensions are the same except the sides for 8x8 verses 8x12 see measurements in Ⓐ.




BACK
Outside View
L08A
L08B-X
603B
603B
L08B-X
601A-B
601A-B
Y4
Y4
L08B
603C
603C
610
609-A
610
609-A
Y2
Y5-2
Y5-1
Y1
610
609-A
603A
609-A
601B
601B
607
L08C-X
L08C
Y7
Y8
602A
602B
L08C
Y8
Y7
602A
602B
Y7
603C/616
615
618
L08C
602A
Y10
Y9
Y7
602B
Y8
L08C-X
LEFT SIDE
603D
603E
601B
601B
L21
Y3-1
Y3-2
623A
623A
Y1
Y2
622
Y6
Y6
622
L08D
L08D
622-L
622-R
604-L
620
620
604-R
601A-FL
Y6
Y6
601A-FR
L08A-X
623B
623B
L08A-X
619
FRONT
609-A
610
L08C-X
L08C
Y8
Y7
602B
602A
L08C
Y8
Y7
602B
602A
615
603C/616
Y7
618
Y9
Y10
602A
L08C
Y8
602B
Y7
L08C-X
RIGHT SIDE

GRANDIO©
GREENHOUSES

ASSEMBLY INSTRUCTION STEPS

STEP ONE: BASE ASSEMBLY

STEP TWO: FRONT ASSEMBLY

STEP THREE: BACK ASSEMBLY

STEP FOUR: MIDDLE ASSEMBLY

STEP FIVE: DOOR ASSEMBLY

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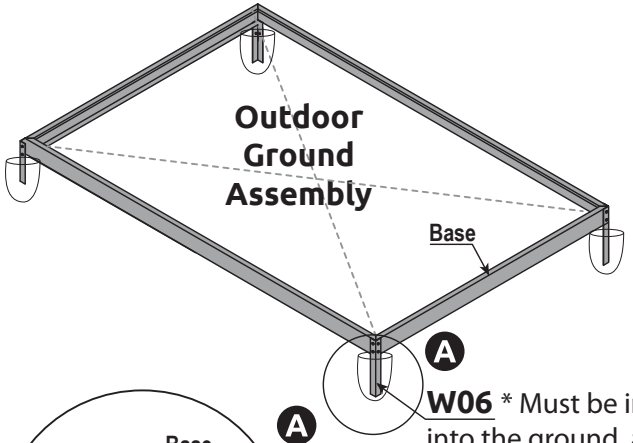
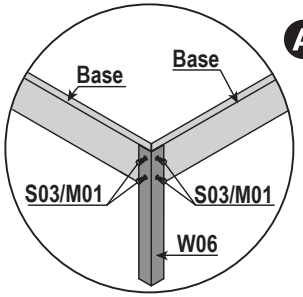
BASE KIT ASSEMBLY INSTRUCTIONS

****BASE MUST BE LEVEL & SQUARE, FOUNDATION MUST BE PROPERLY ANCHORED PRIOR TO GREENHOUSE ASSEMBLY**

A W06 must be buried in ground.





W06 * Must be inserted into the ground, and secured with concrete.

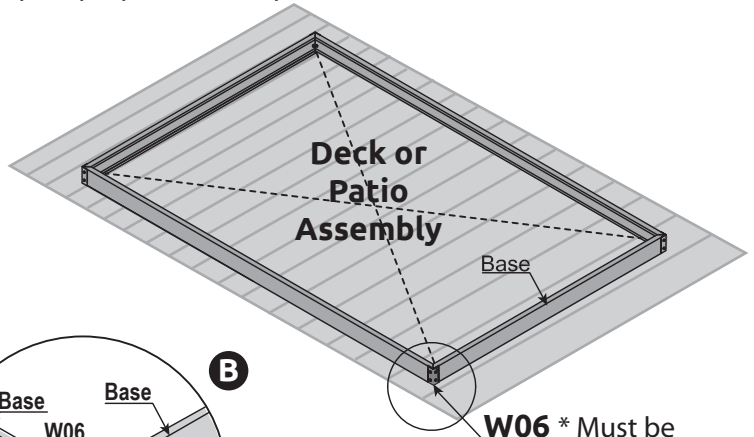
Use: Quikrete fast setting concrete to anchor base. Pour in Quikrete and water no mixing required. (Not Included).

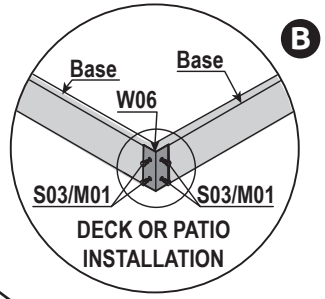
GRANDIO TIP Make sure base is squared and level before setting anchor into concrete. Use a measuring tape to ensure all corners are the same. Use level on all four sides.

OR

B W06 must be cut for patio or deck installation

Drill holes in bottom of base to allow for proper fastener to pass through prior to moving forward with assembly. You determine and aquire proper fastener prior to installation.

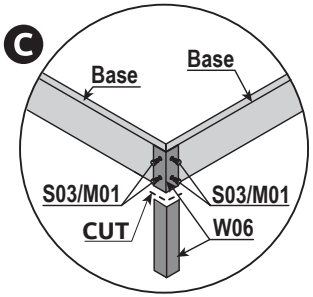




W06 * Must be cut flush with frame. Use decking screws or concrete anchors to attach base. (Fasteners not included).

C W06 Must Be Modified

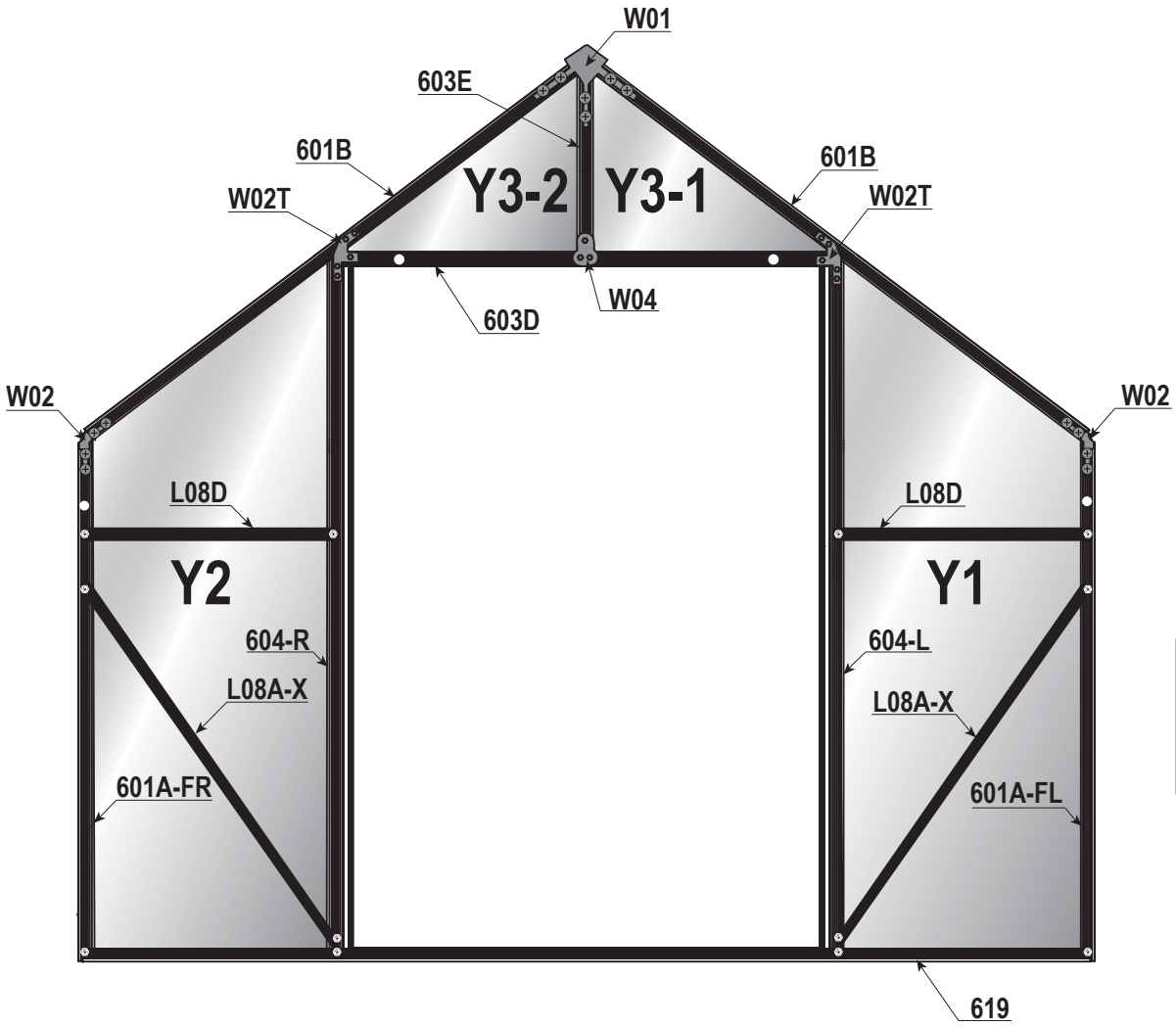
Use a Hacksaw or Tinsnip to cut down the length of **W06,** then install cut side down to level surface.



STEP ONE

FRONT FRAME ASSEMBLY INSTRUCTIONS

This picture shows the inside view of front section fully assembled.

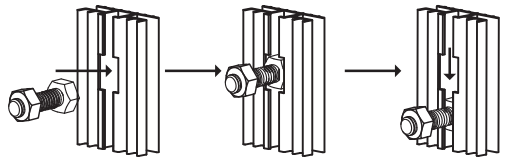


STEP TWO

GRANDIO TIP We recommend watching our how to assembly videos with tricks and tips for easier assebly and installation of your Grandio Greenhouse at: **www.grandiogreenhouses.com**

GRANDIO TIP Lay flat on ground to assemble the front frame of your greenhouse. If possible try to find a shady area protected from the wind. Panels can burn grass and plants if in direct light.

GRANDIO TIP **BOLT INSTALLATION TIP:** Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.



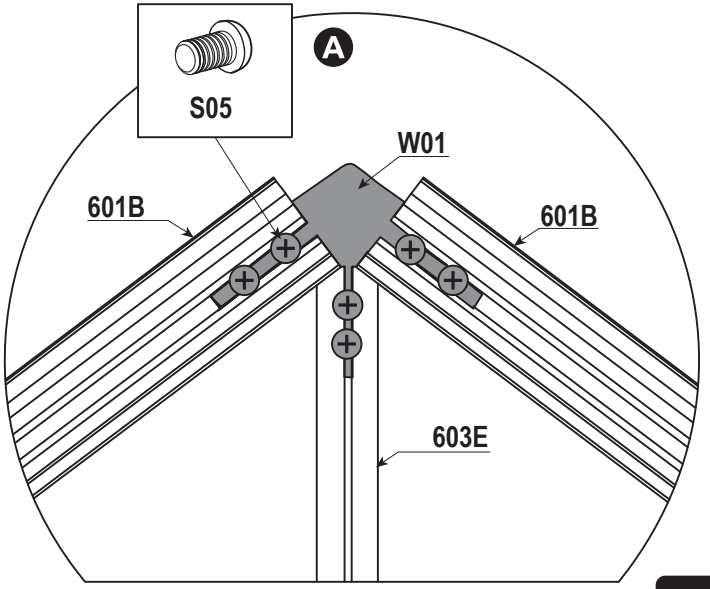
FRONT FRAME ASSEMBLY

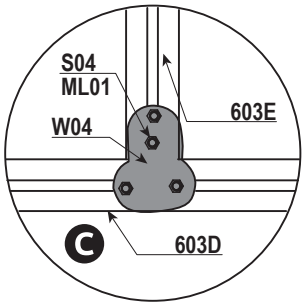
2.1 Use **W01** bracket to attach the (2) **601B's** together with the **603E**, secure parts with the **S05** fasteners provided as shown in **A**. Pre thread all fasteners for ease of installation.

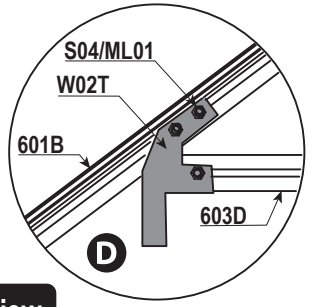
2.2 Insert **Y3-1** and **Y3-2** window panels as shown in **B**.

2.3 Attach **603E** and **603D** with **W04** and **S04/ML01** fasteners as shown in **C**.

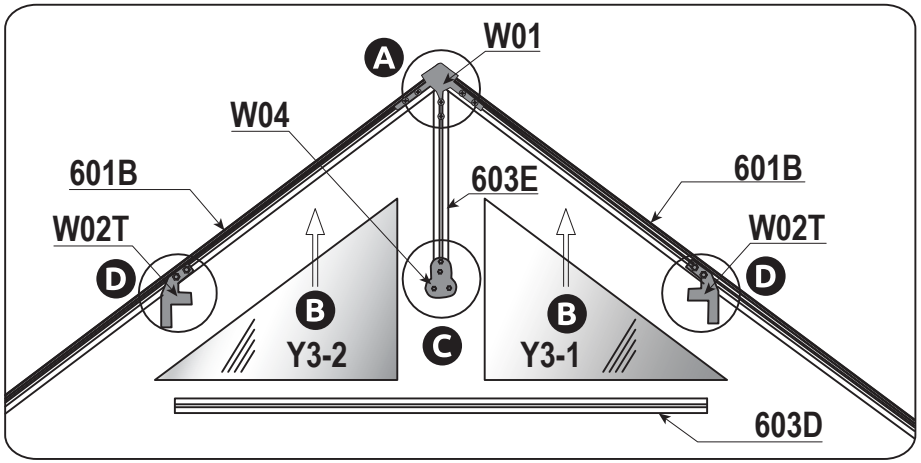
2.4 Attach **W02T** to **601B** and **603D** with the **S04/ML01** fasteners as shown in **D**, leave a bit loose to ease installation of next step.

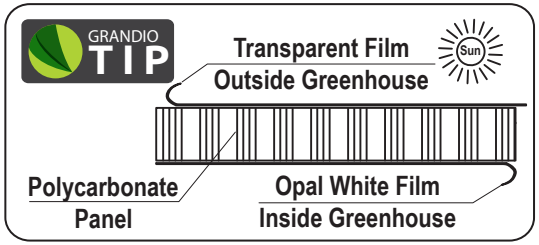






Inside View





GRANDIO TIP

Make sure the UV coated side of the panel faces outward as indicated on the panels. Avoid placing the polycarbonate panels in the sun or near plants until fully assembled.

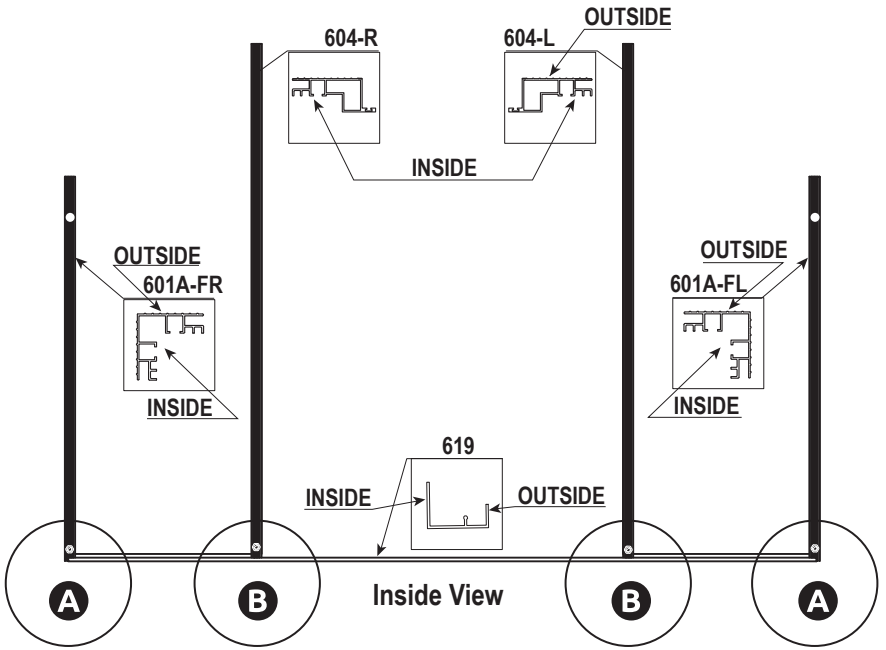
STEP TWO

FRONT FRAME ASSEMBLY

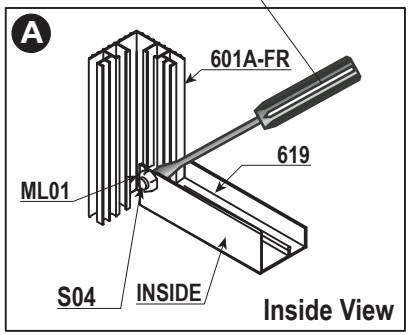
2.5: View diagrams and attach the (2) **604's** and (2) **601A's** to the **619.**

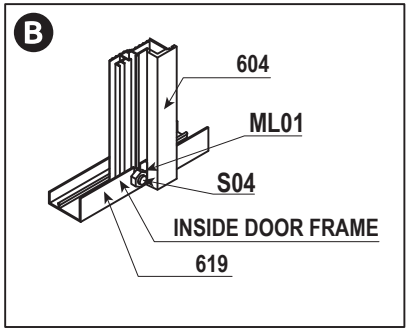
A shows where the corner pieces attach to **619**.

B shows where the door frame attaches to the **619**.



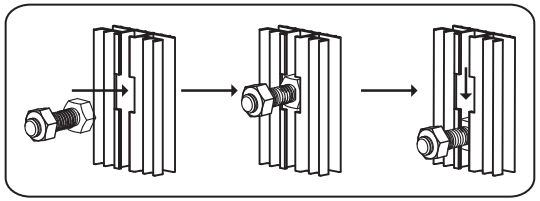
TIP: If necessary you may use a screwdriver to wedge behind the bolt head. This prevents bolt from falling into the track.





GRANDIO TIP Make sure the small screw hole on the **601A** face to the front of greenhouse for future of the **L21** and **L28** bracket that holds the door header in place.

GRANDIO TIP **BOLT INSTALLATION TIP:** Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.



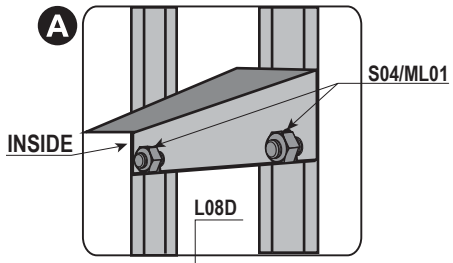
STEP TWO

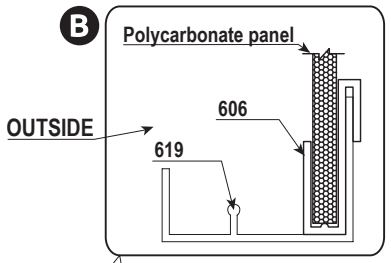
2.6: Attach **L08D** to **604** and **601A** using **S04/ML01** fasteners as shown in **A**.

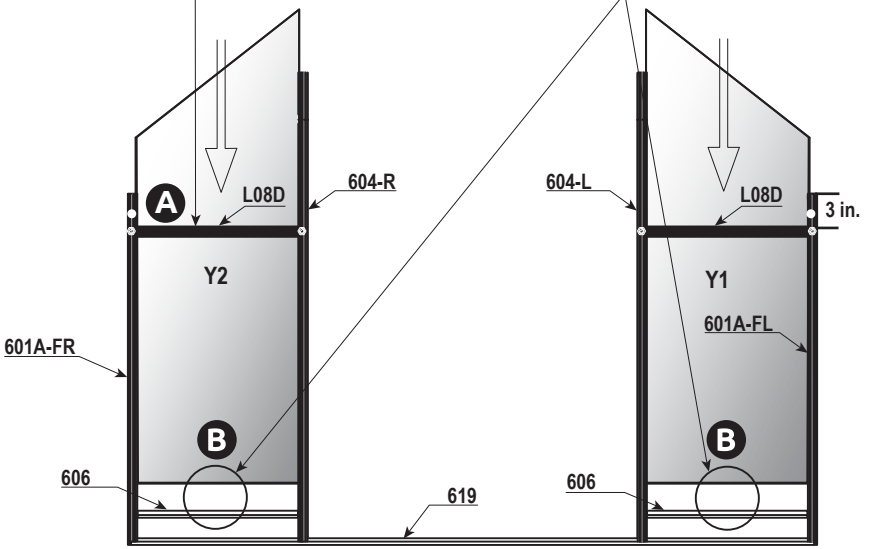
2.7: Attach **606** to **619**, this will hold the polycarbonate panels in place.

2.8: Insert **Y1** and **Y2** polycarbonate panels into place, make sure **Y1** and **Y2** slide completely into **606** as show in **B**.

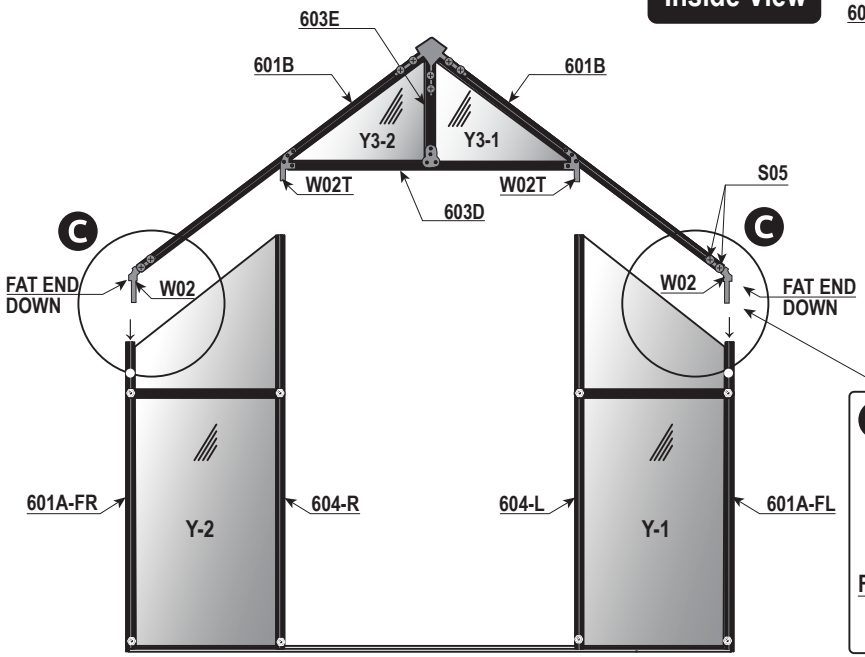
2.9: Attach **W02**'s to end of **601B's**, with the **S05** screws as shown in **C**.

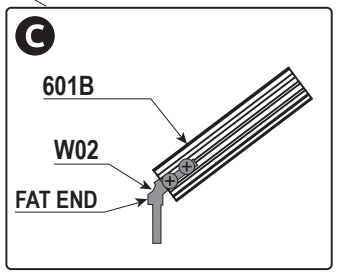


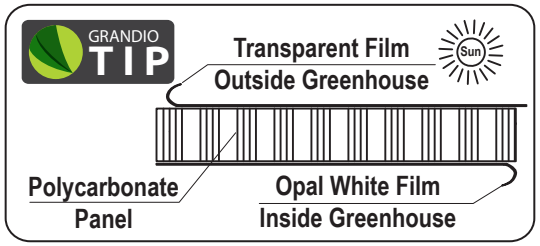




Inside View



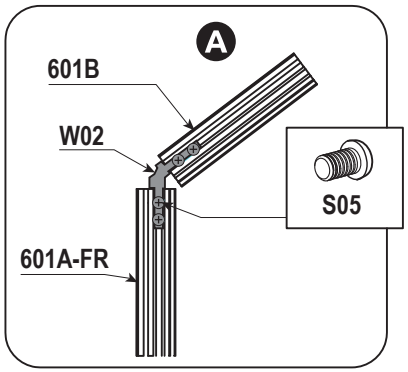


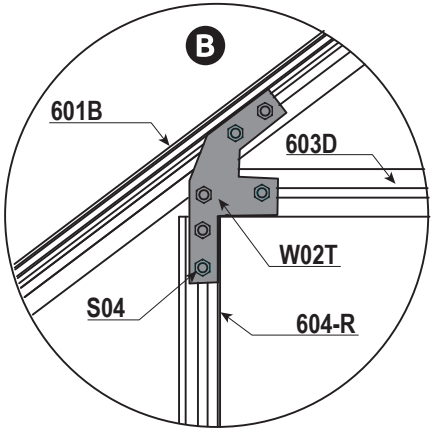


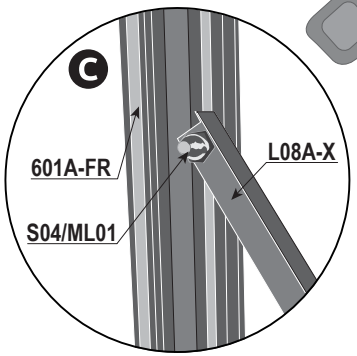
STEP TWO

2.10: Move roof and front section together and install all screws and bolts. As shown in **A** and **B**. Tighten **W02's** first then tighten the **W02T's** second.

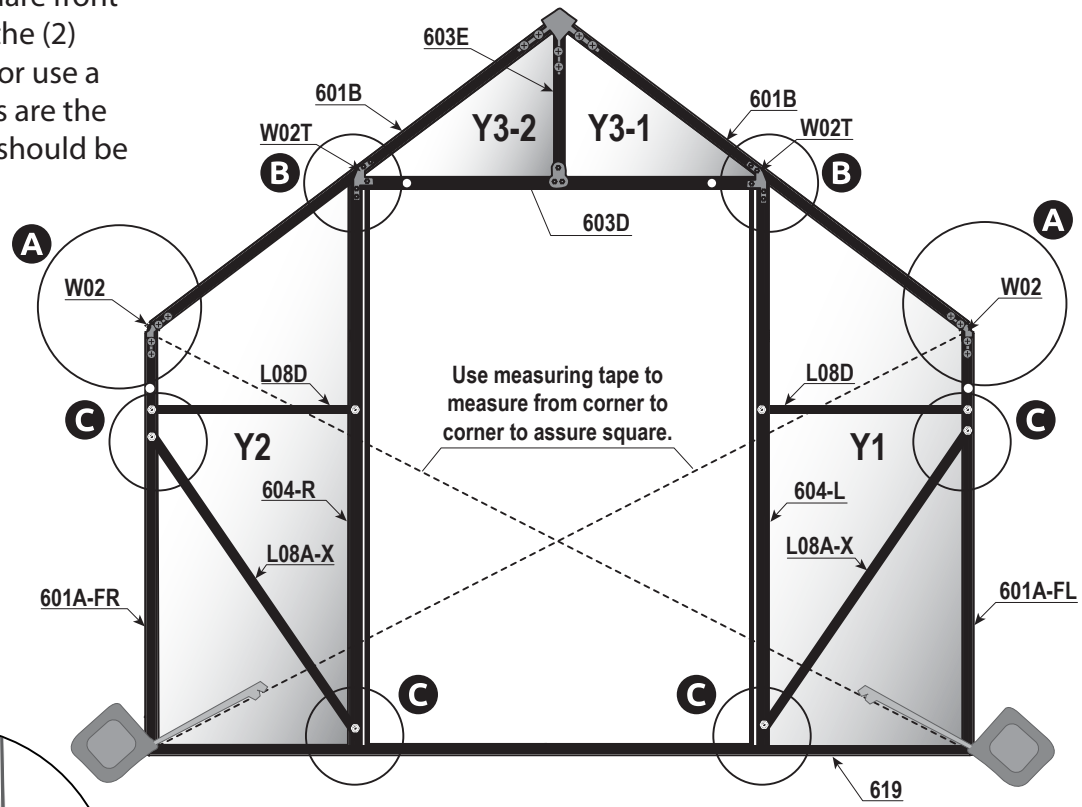
2.11: Attach the **L08A-X** to **601A** and **604**. To square front section loosen **S04/ML01** attached to the tops of the (2) **L08A-X's**, square the frame with carpenter square or use a measuring tape to make sure corner measurements are the same, tighten **L08X's** to hold squareness, **L08A-X** should be attached **1"** up from bottom bolt see **C**.







Inside View



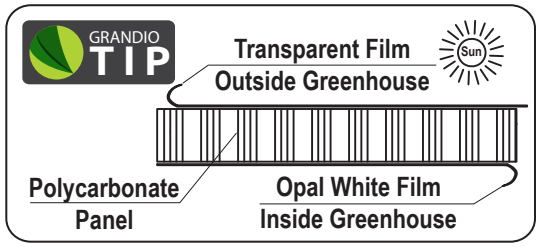
GRANDIO TIP

Set front aside in a shaded area, do not lay on grass, prolonged sunlight through the polycarbonate panels will burn if placed directly on top of plants during the intense sun of the day.

STEP TWO

BACK ASSEMBLY INSTRUCTIONS

This image shows the inside view of the back wall assembly.

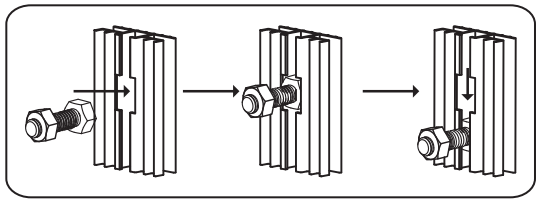


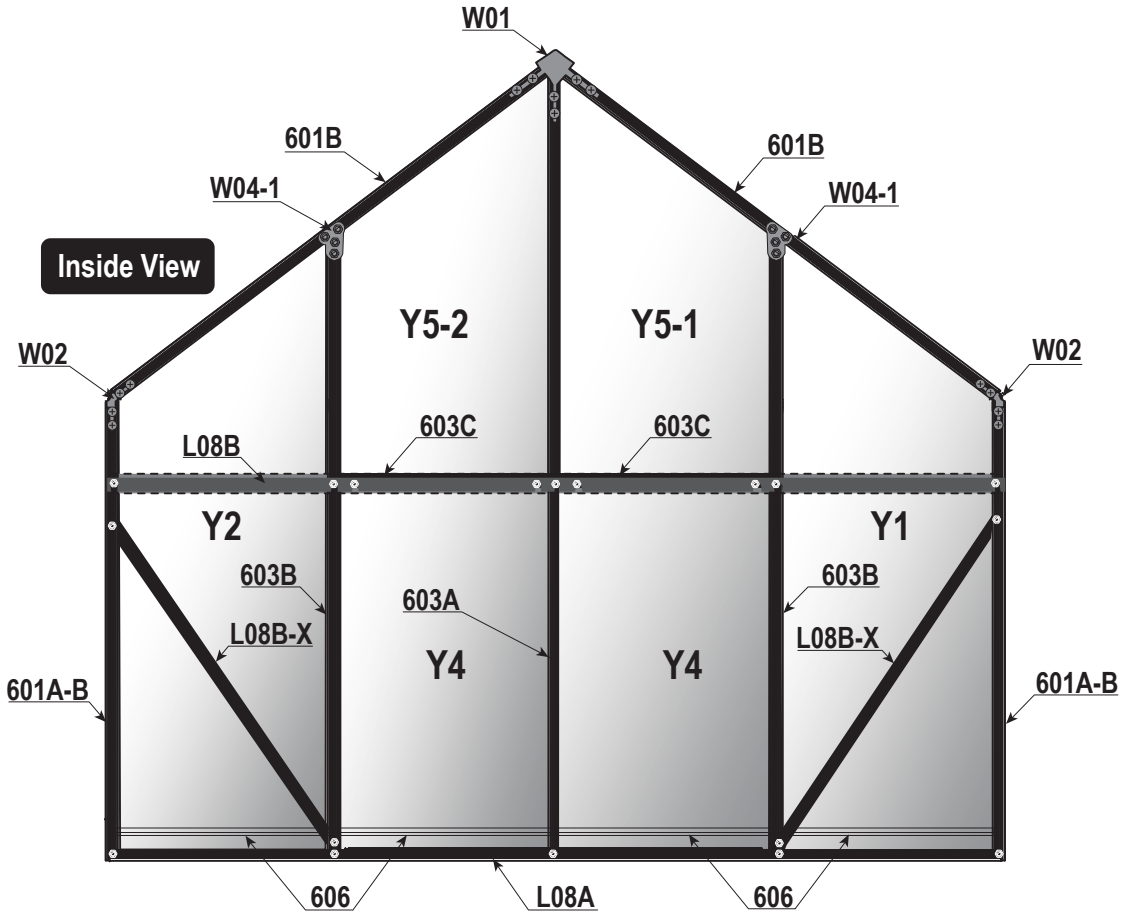
GRANDIO TIP

Make sure the UV coated side of the panel faces outward as indicated on the panels. Avoid placing the polycarbonate panels in the sun or near plants until fully assembled.

GRANDIO TIP

BOLT INSTALLATION TIP: Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.





STEP THREE

BACK CONTINUED

STEP THREE

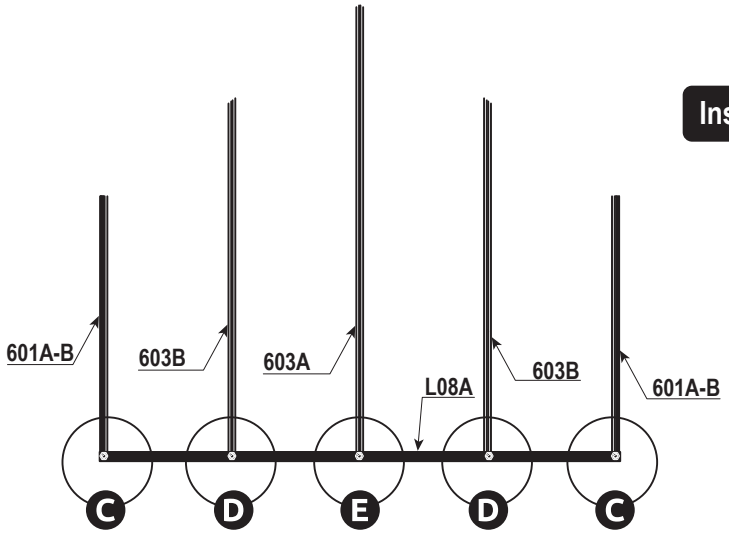
3.1 Use **W01** bracket to attach the (2) **601B's** together as shown in diagram **A**.

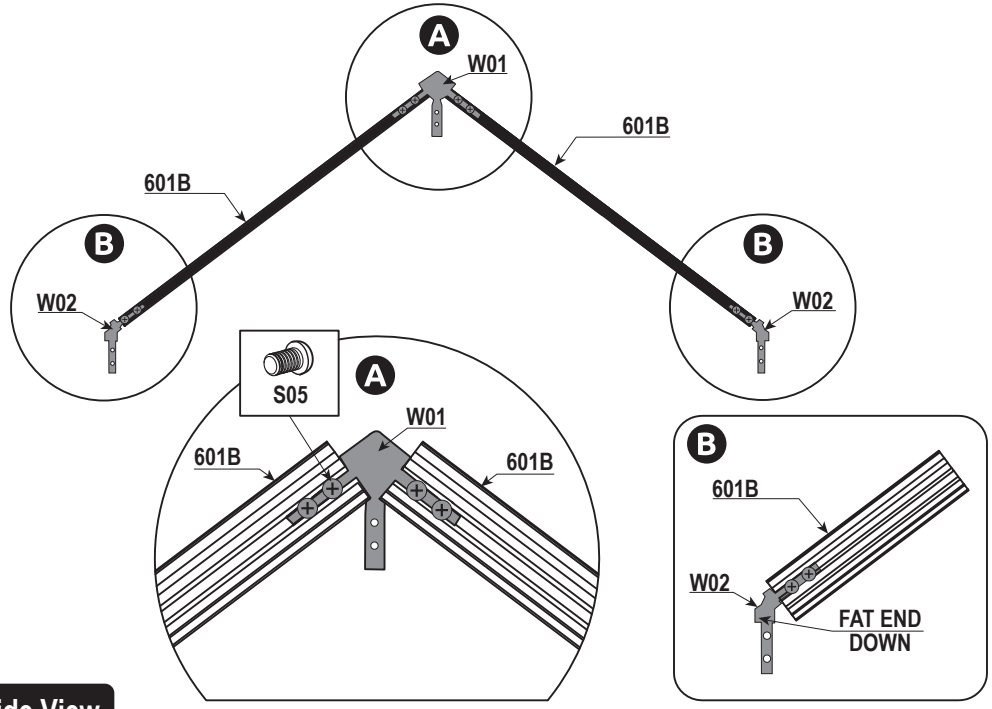
Attach (2) **W02's** to the (2) **601B's** as shown in diagram **B**.

3.2 Attach (2) **601A-B's** to **L08A** using **S04/ML01** fastener as shown in diagram **C**.

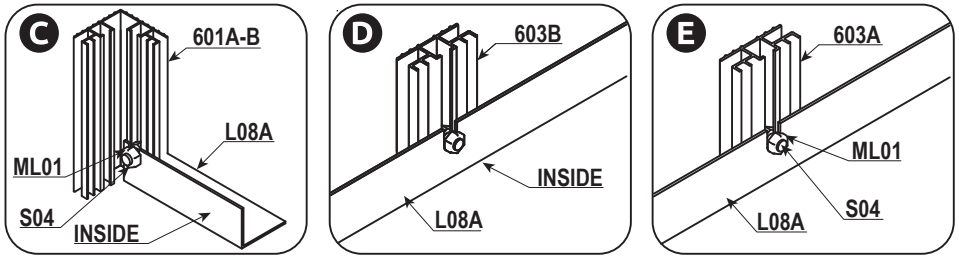
Attach (2) **603B's** to **L08A** using **S04/ML01** fasteners as shown in diagram **D**.

Attach **603A** to L08A using **S04/ML01** fastener as shown in diagram **E**.





Inside View



BACK CONTINUED

3.3 Attach (4) **606's** to **L08A** as shown in diagram **A**.

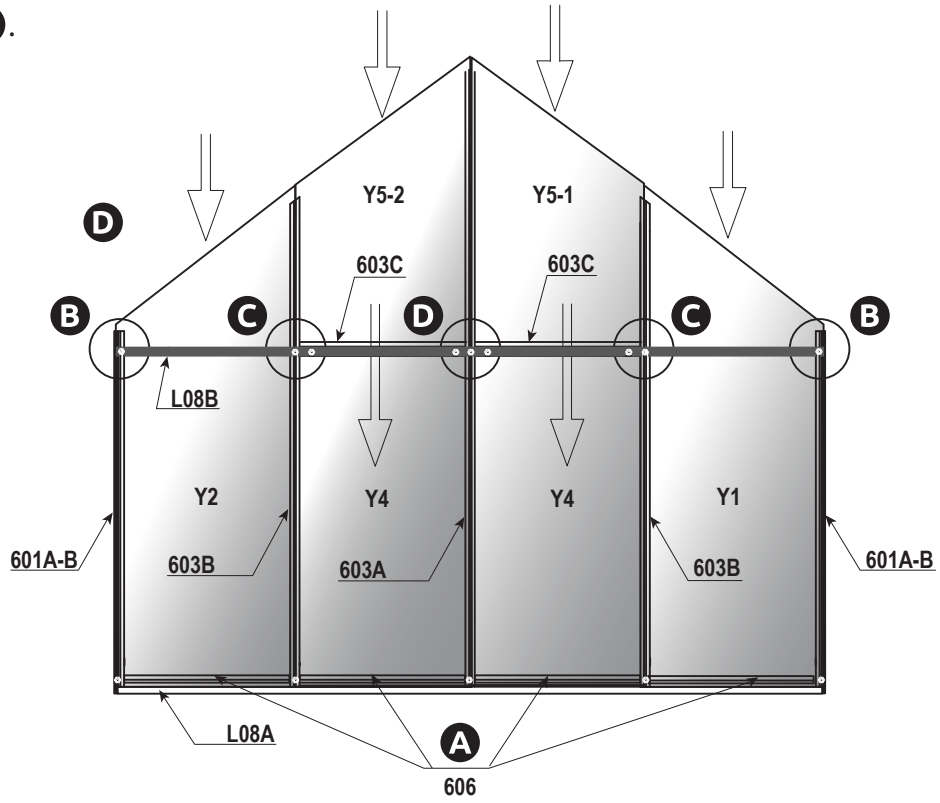
Insert the **Y4** polycarbonate panels into the grooves of **603B** and **603A**. Make sure **Y4** panels are inserted into **606** as shown in **A**.

Set (2) **603C's** on top of the **Y4's** that are now in place. Attach **L08B** to (2) **601A's** with **S04/ML01** fasteners as shown in diagram **B**.

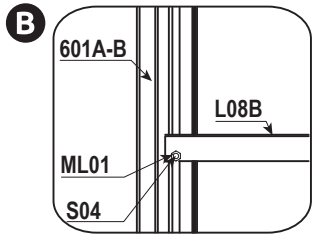
Attach **L08B** to (2) **603B** and **603A** with **S04/ML01** fasteners as shown in **C** and **D**, pre thread all fasteners into assigned channels and align with **L08B** for ease of installation.

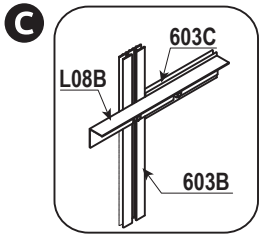
Attach (2) **603C's** to the **L08B** using **S04/ML01** fasteners.

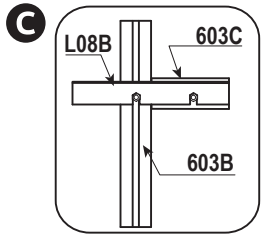
3.4 Insert the **Y5-1** and **Y5-2** polycarbonate panels into place. Then insert the **Y1** and **Y2** into place as shown in the diagram.

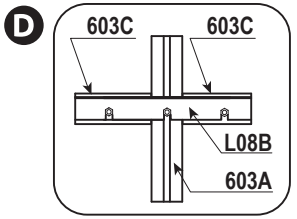


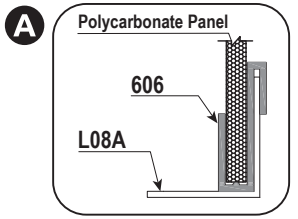
Inside View









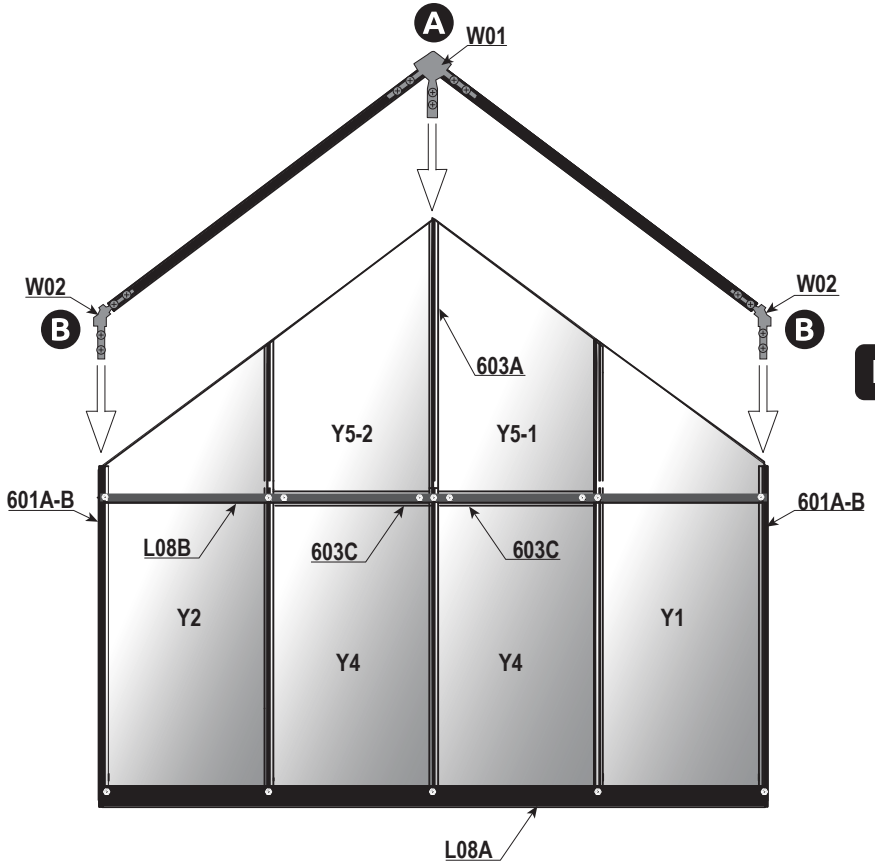


STEP THREE

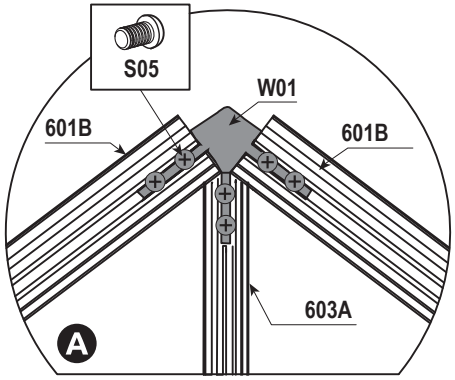
ATTACHING ROOF TO BACK FRAME

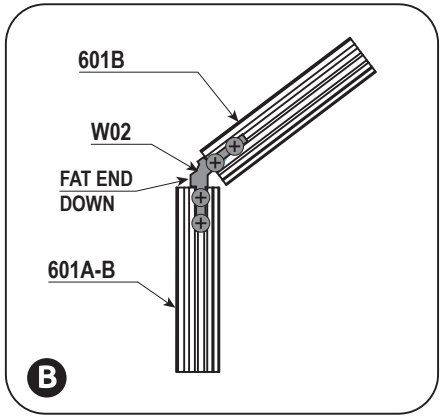
STEP THREE

3.5 Attach the roof to the back wall use **W01** fastener to **603A** and the (2) **W02's** to the (2) **601A's** using the **S05** fasteners as shown in diagram **A** and **B**, pre thread all screws for easiest installation, tighten when flush with frame and square.



Inside View



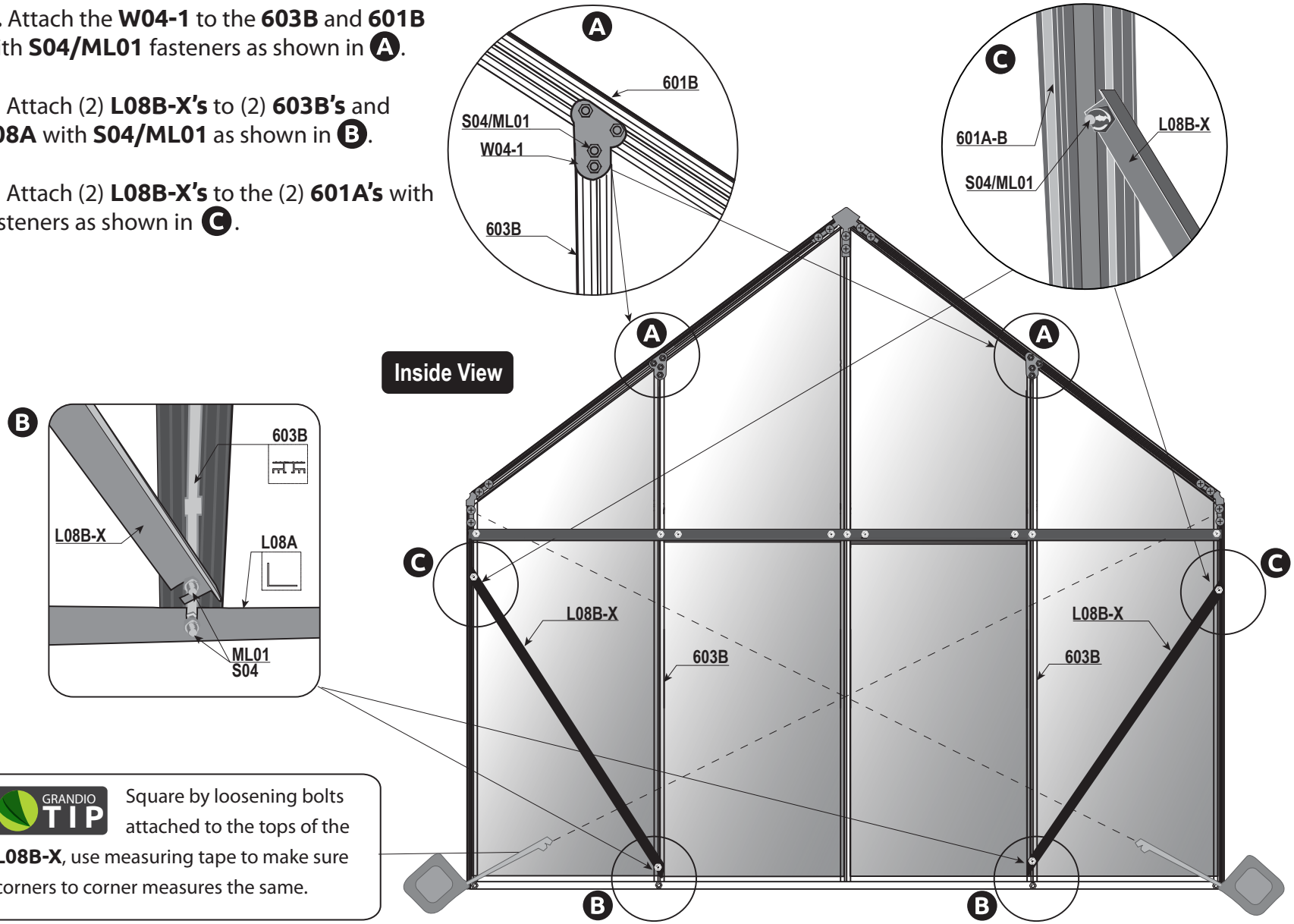


3.6

A. Attach the **W04-1** to the **603B** and **601B** with **S04/ML01** fasteners as shown in **A**.

B. Attach (2) **L08B-X's** to (2) **603B's** and **L08A** with **S04/ML01** as shown in **B**.

C. Attach (2) **L08B-X's** to the (2) **601A's** with fasteners as shown in **C**.



GRANDIO TIP

Square by loosening bolts attached to the tops of the **L08B-X**, use measuring tape to make sure corners to corner measures the same.

STEP THREE

MIDDLE ASSEMBLY INSTRUCTIONS

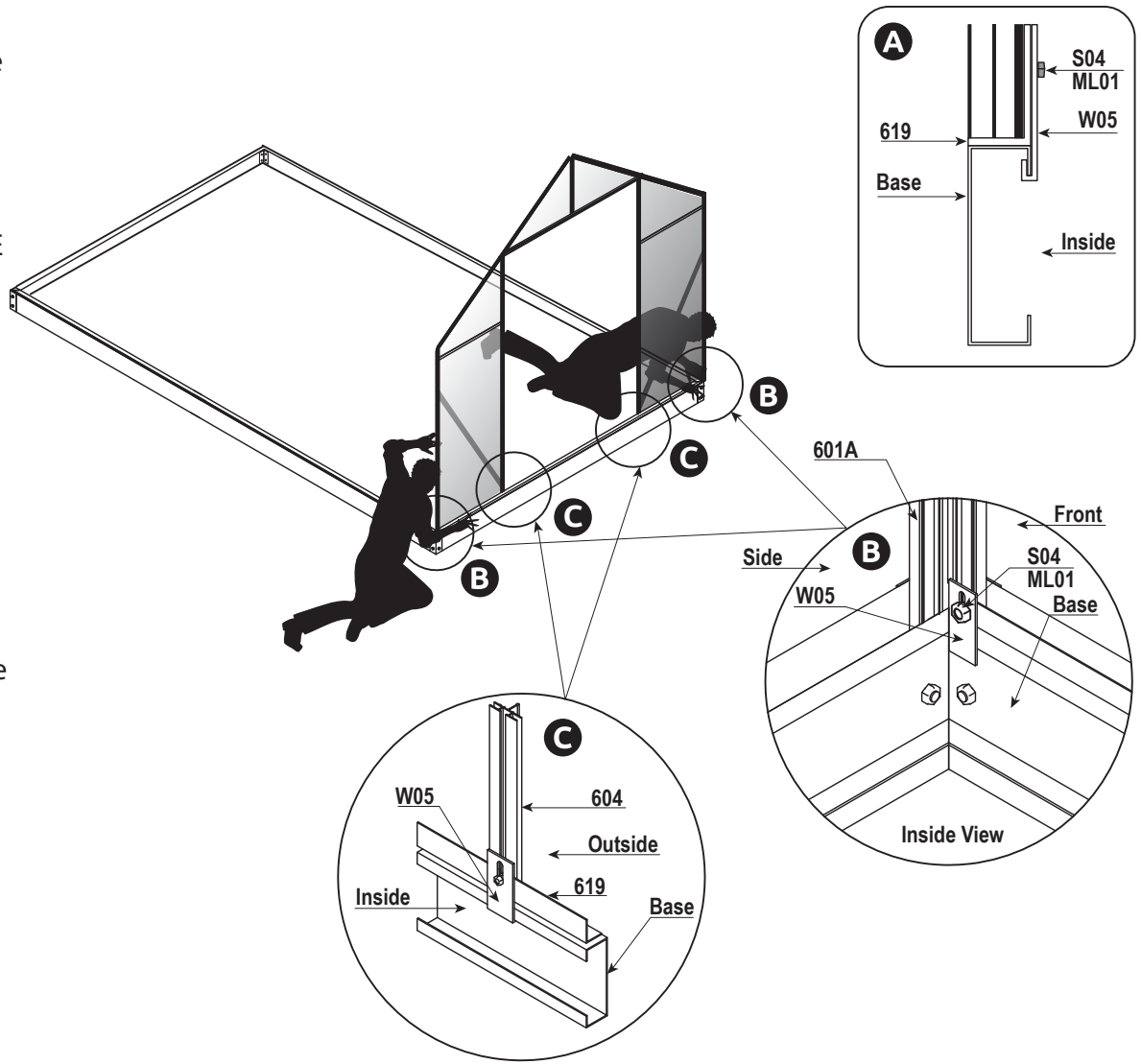
STEP THREE

4.1 With no less than 2 people place the pre assembled front section on top of the base kit front. Have one person hold the front vertically while the other attaches the front section to the base with **W05/S04/ML01** fasteners as shown in **A** and **B**. (1) PERSON MUST CONTINUE HOLDING FRONT FRAME UPRIGHT.

4.2 Attach front to base with **W05** clips as shown in **C**.

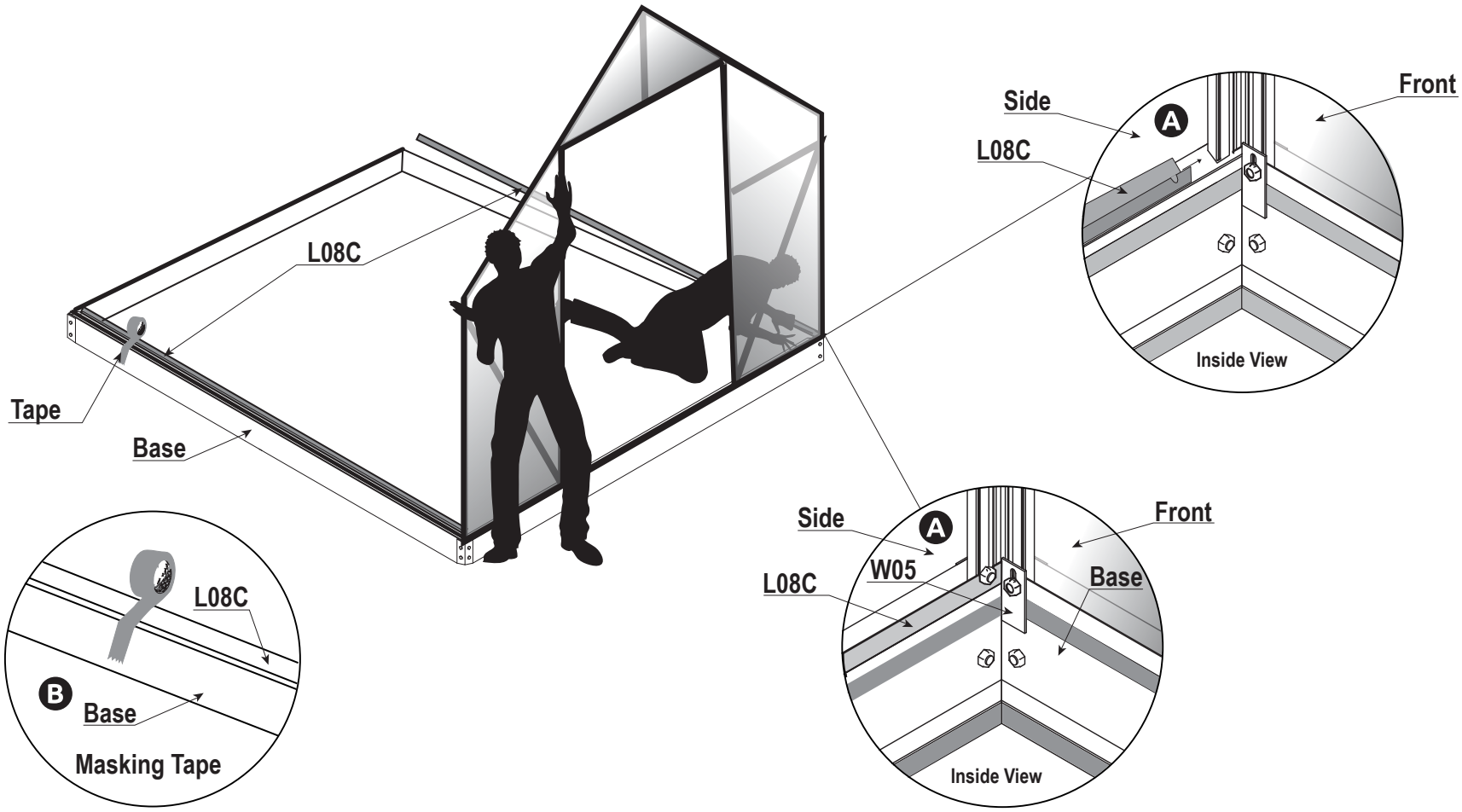
Warning: The person(s) holding the front or back sections vertical must continue to do so until the **L08C-X** angle supports are attached securely to the front and base as shown in step **4.5**. Failure to hold front vertical will cause the front to fall and damage the base kit, front framing etc. Damage caused by improper installation is not warrantable.

GRANDIO TIP You will need a minimum of (2) people to complete the middle assembly of your greenhouse. The more people the merrier at this stage of assembly.



MIDDLE ASSEMBLY CONTINUED

4.3 While the front section is being supported vertically by other person(s) slide in and attach the **L08C's** to the front section as shown in Ⓐ. Using tape temporarily attach the loose end of the **L08C's** to the base kit as shown in Ⓑ.



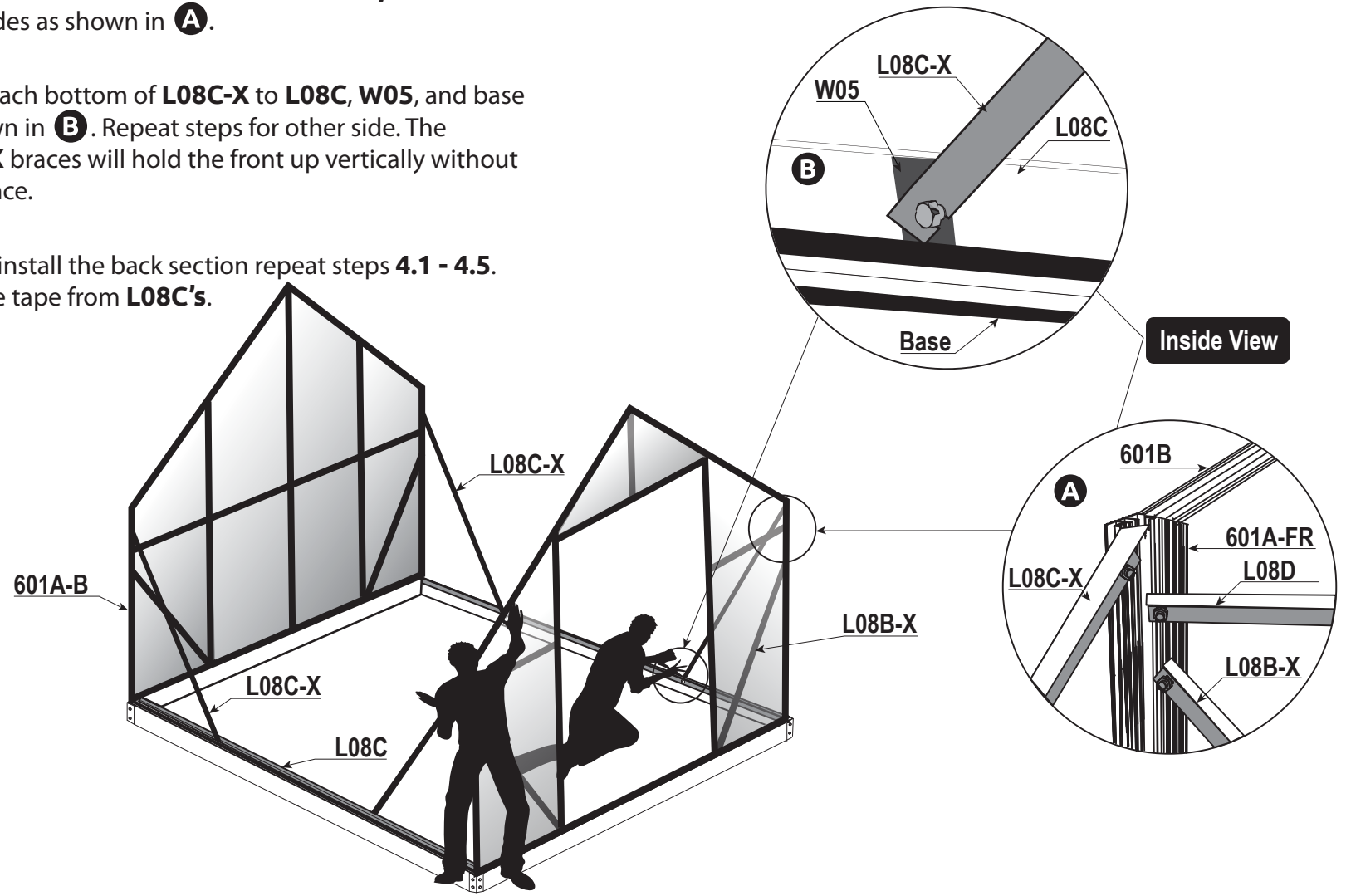
MIDDLE ASSEMBLY CONTINUED

STEP FOUR

4.4 Attach **L08C-X** to **601A-FR** with **S04/ML01** on both sides as shown in **A**.

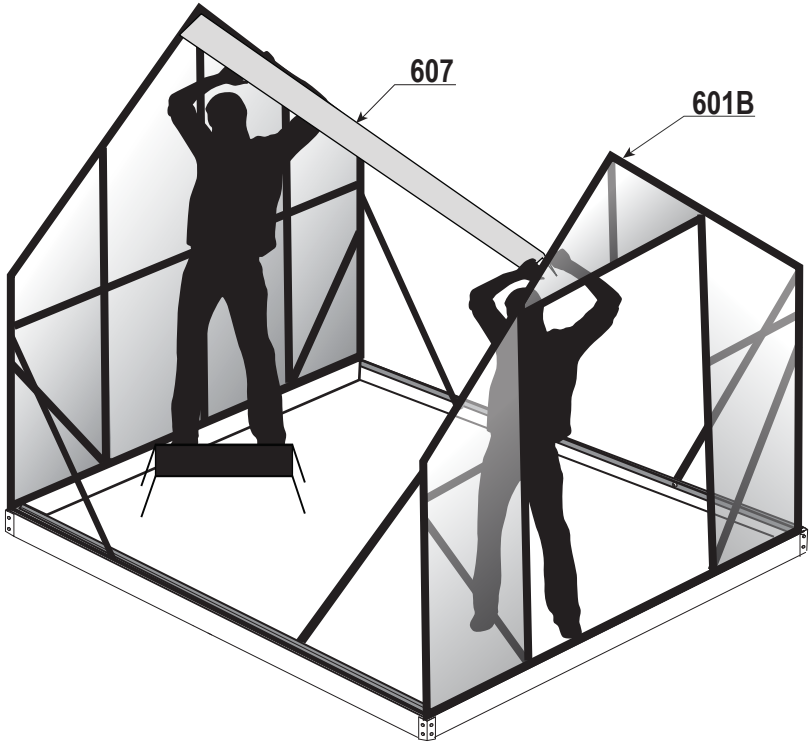
4.5 Attach bottom of **L08C-X** to **L08C**, **W05**, and base as shown in **B**. Repeat steps for other side. The **L08C-X** braces will hold the front up vertically without assistance.

4.6 To install the back section repeat steps **4.1 - 4.5**. Remove tape from **L08C's**.

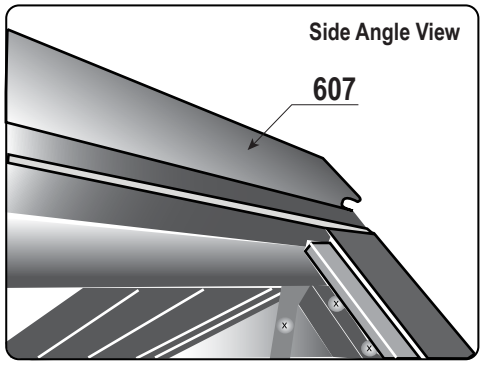


MIDDLE ASSEMBLY CONTINUED

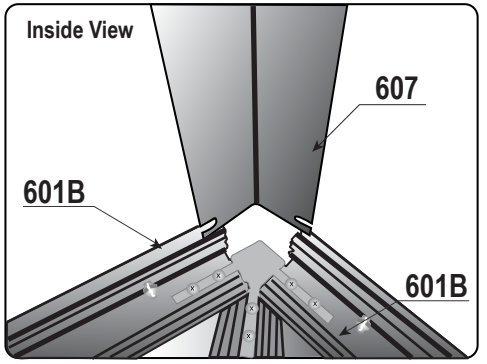
4.7 With 2 people, attach the ridge to front and back by sliding into place as shown in **A** and **B**, using **S04/ML01** fasteners attach the **607** to the **601B's**.



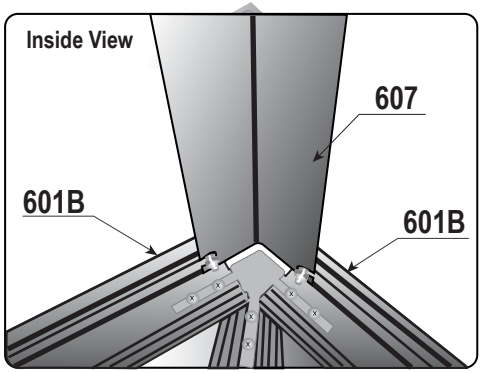
A



B



C



STEP FOUR

MIDDLE ASSEMBLY CONTINUED

STEP FOUR

4.8 Before you attach the **609** you will need to loosen the **ML01** (nut) attached to the **L08C-X** tops. **Note:** Loosen nuts on only one side at a time, i.e. right front corner, right rear corner. **See A.**

With 2 people proceed to install 609 in this order, note that 609 must be installed with groove side down see C.

1. With one person holding the **609** level and in position have the other person attach the **609** to the **601B** using **S04/ML01** (nut and bolt). **See B.**

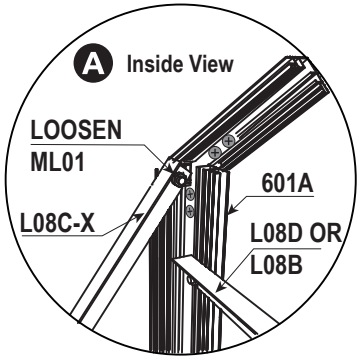
2. Now move the loosened **S04/ML01** (nut and bolt) currently attached to the **601A** upward to firmly secure the **L08C-X, 609** and **601A** together as shown in **B.**

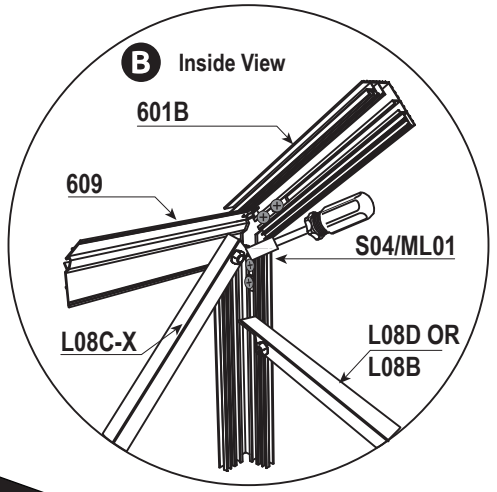
3. Repeat steps 1 and 2 for the other end of **609.**

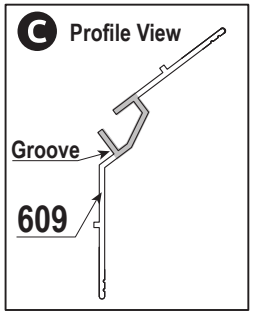
4. With one side firmly secured move to the other side and repeat steps 1, 2 and 3.

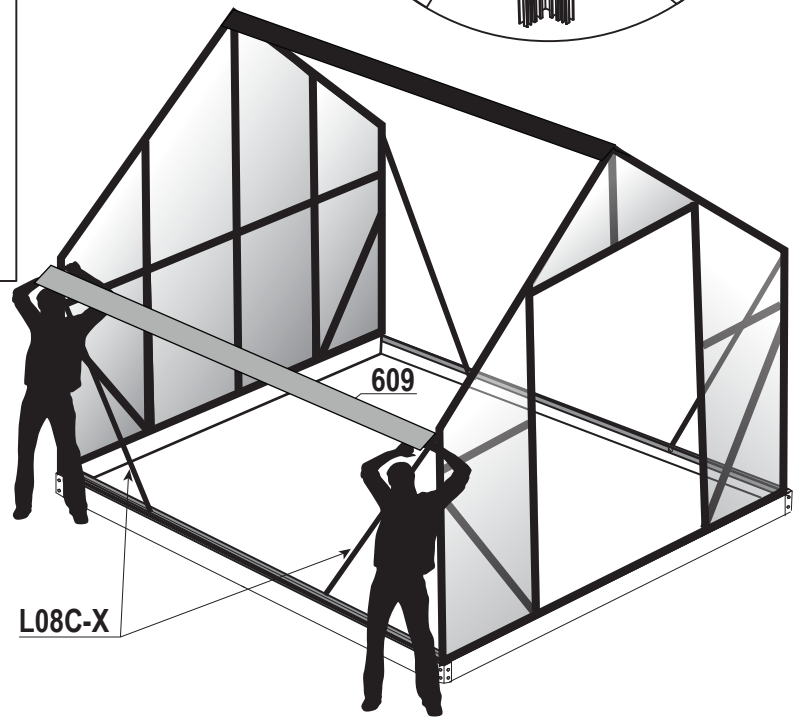
GRANDIO TIP

Remove only one **L08C-X** at a time. If all **L08C-X's** are removed, the structure will collapse and cause unwarrantable damage.









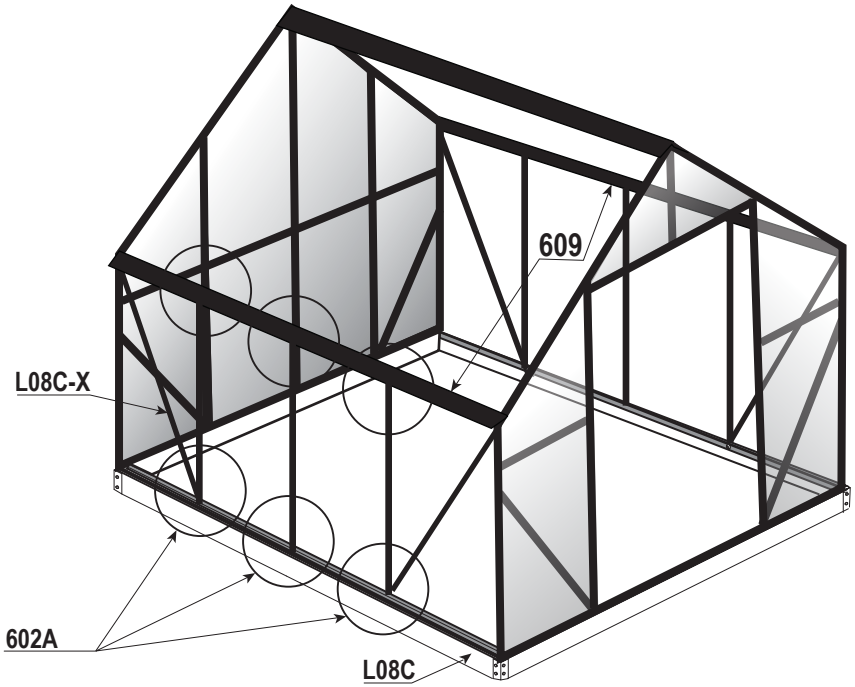
MIDDLE ASSEMBLY CONTINUED

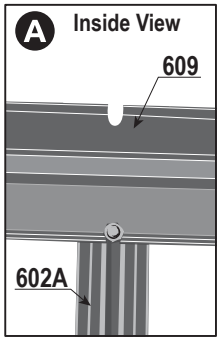
4.9 Before you attach the **602A's** to the sides of the greenhouse you will need to loosen the **ML01** (nut) attached to the **L08C-X** and **L08C** located at the base. Once the bottom of **L08C-X's** are loosened on one side attach the **602A's** to the sides of the greenhouse in this order.

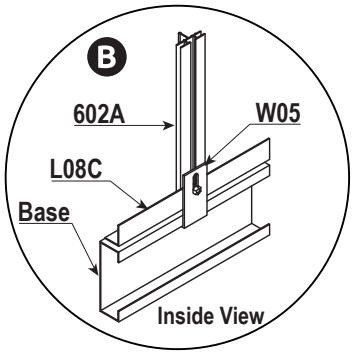
1. Hold the **602A** in place as shown and attach the top of the **602A** to the **609** using **S04/ML01** (nut and bolt). As shown in **A**.

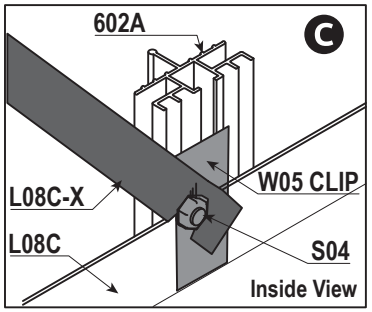
2. Now attach the bottom of **602A** to the **L08C** and base using a **S04/ML01** (nut and bolt) and **W05** (base clip) as shown in **B**. **Note:** Where the **L08C-X** reattaches to the **L08C** and the **602A** be sure to secure them with a **W05** (base clip) to the base as shown in **C**.

3. Repeat for the other side.







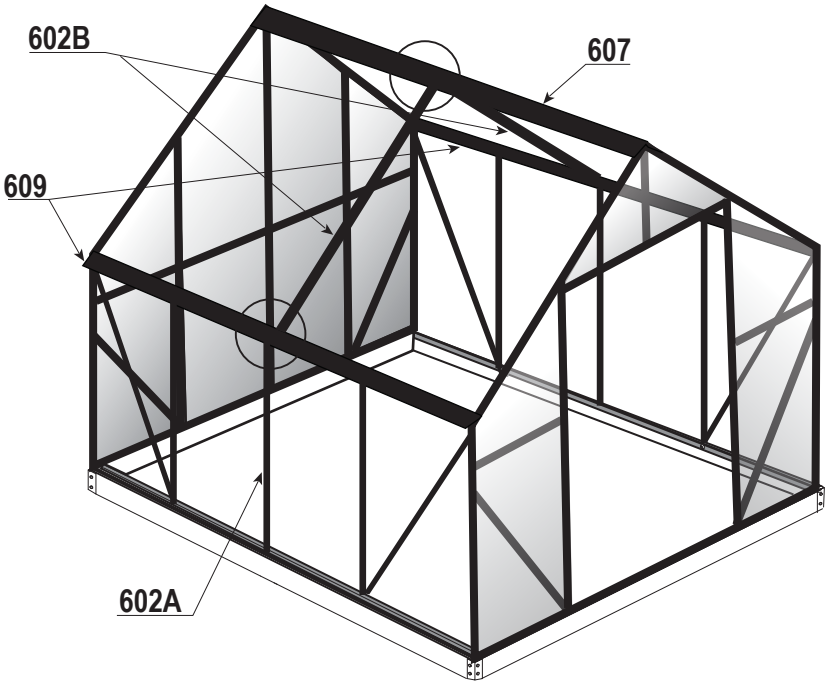


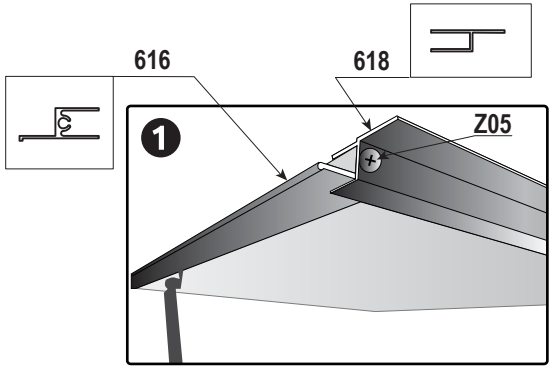
MIDDLE ASSEMBLY CONTINUED

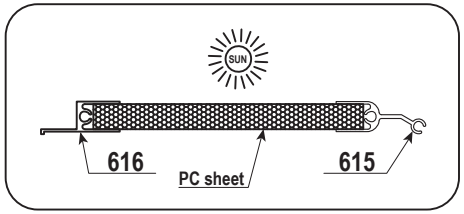
STEP FOUR

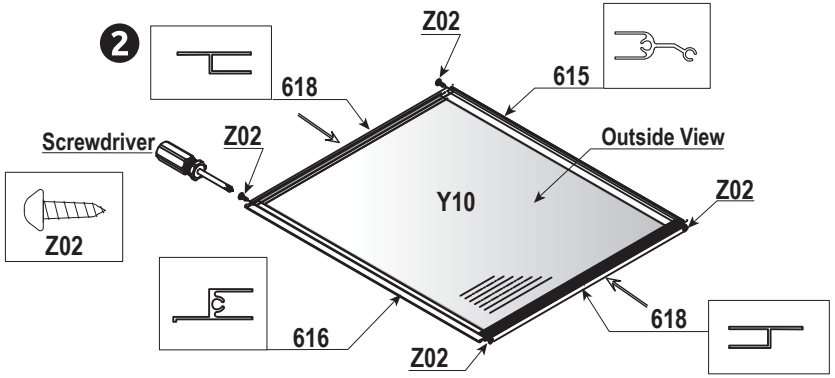
4.10 Attach (2) **602B's** to **609's** and **607** as shown in diagram. Do not attach remaining **602B's** to roof until roof vents are installed.

4.11 Assemble the roof window vents as shown below in ❶ and ❷, using the **Z02** Screws attach the **615**, **616**, and **618's** as shown.



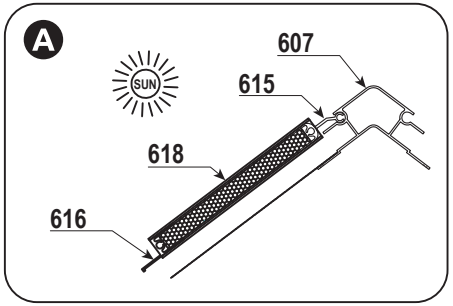


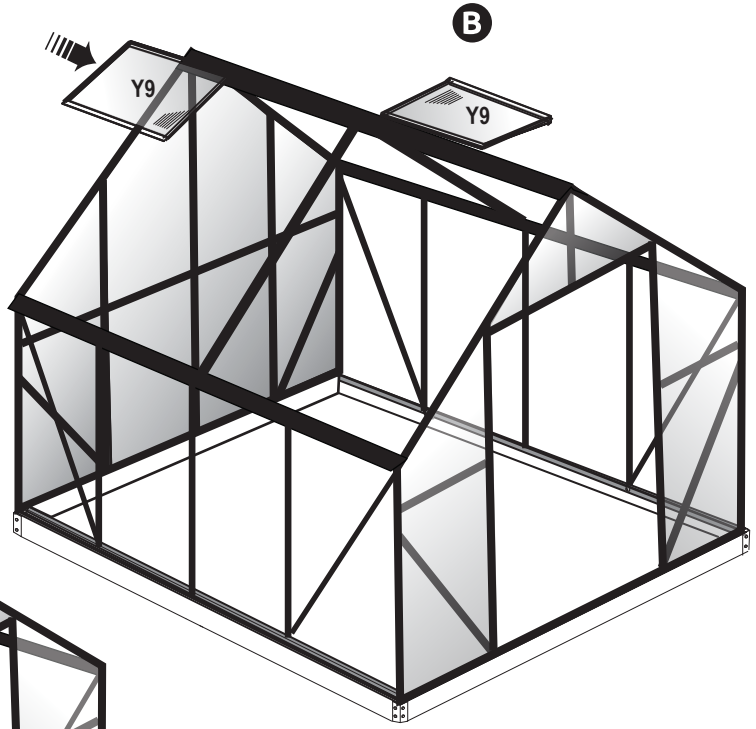




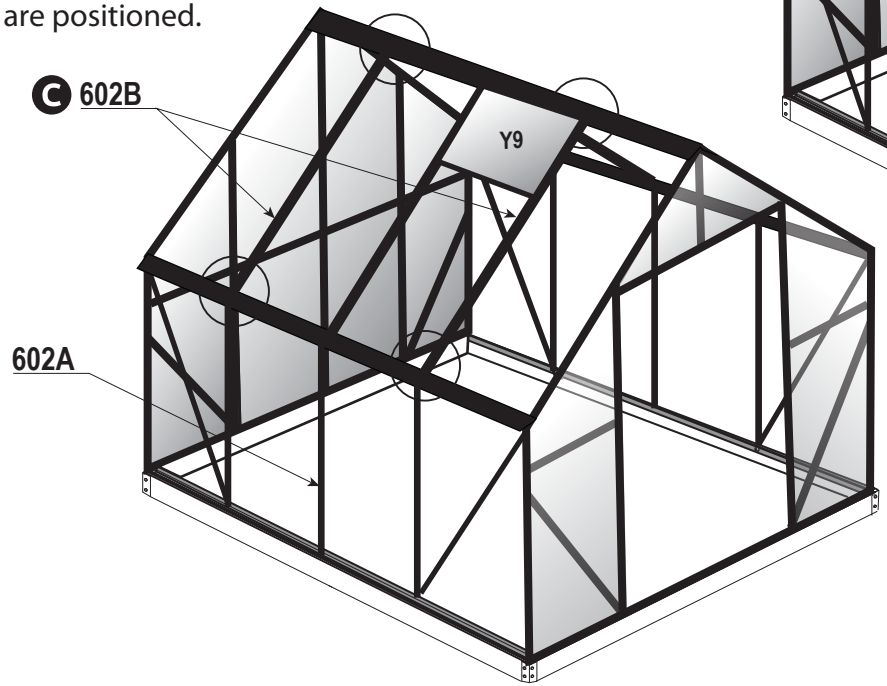
ROOF VENT INSTALLATION

4.12 Insert assembled window into the end of ridge and slide into position. See **A**. Window positions are your discretion however, must be in the middle for support, do not place near the front or back. Place directly across from each other for best cross draft ventilation, see **B** for optional placement.





4.13 Attach all remaining **602B's** after roof vents are positioned. See **C**.



GRANDIO TIP

Place roof windows in desired location before attaching all **602B's**.

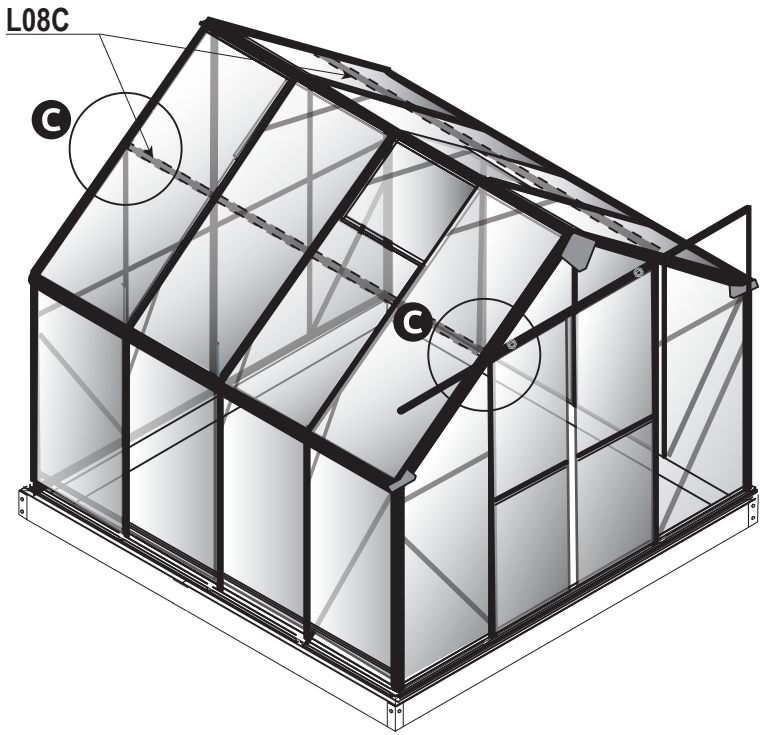
STEP FOUR

INTERIOR ROOF SUPPORT ASSEMBLY

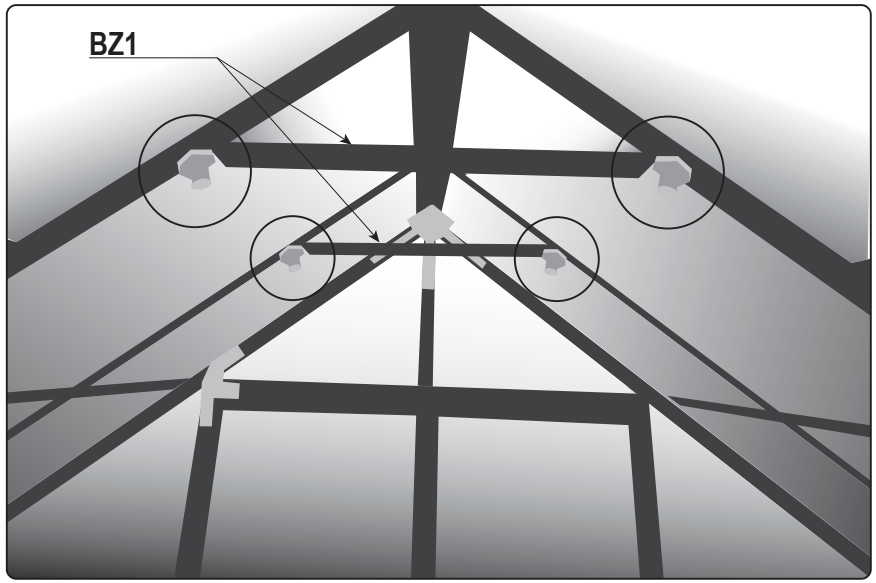
STEP FOUR

4.14 Attach the **BZ1's** to the roof line as shown in diagram **A** with the **ML01/S04**. Use **CZ1's** to support the interior wall at the eave using the **ML01/S04**. See diagram **B**.

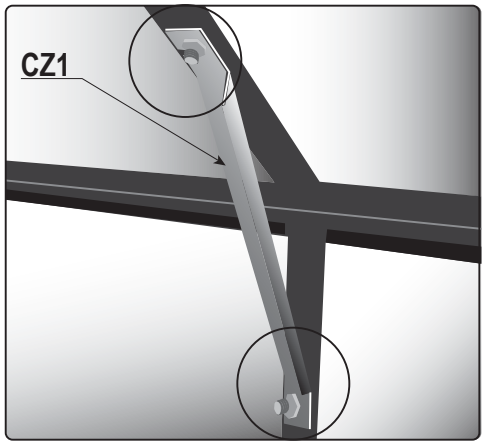
4.15 Use **ML01/S04** to attach the **L08C** to **601B's** and **602B's** on the inside of roof midway between the roof and the gutters for additional roof support. See diagram **C**.



A

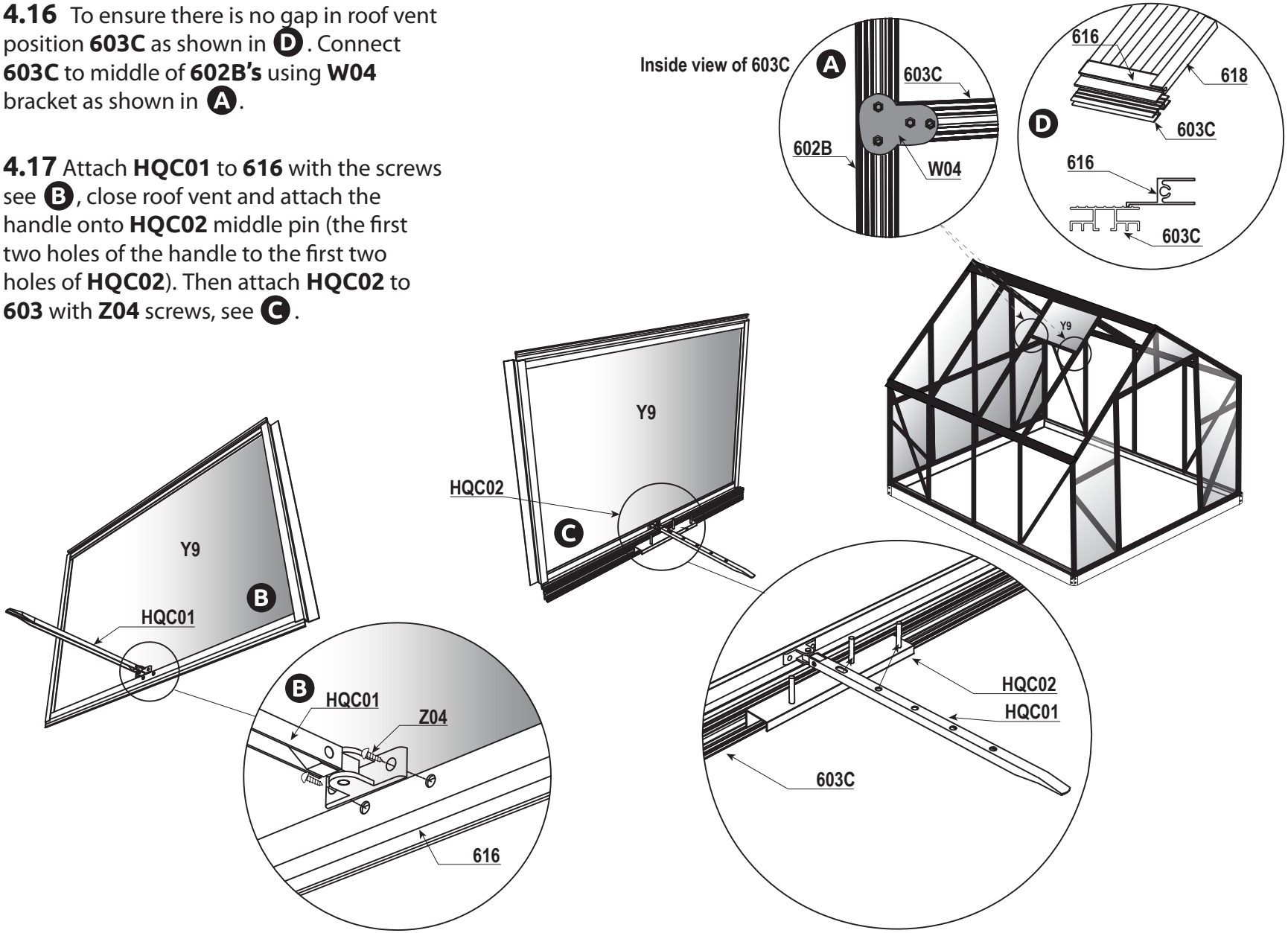


B



4.16 To ensure there is no gap in roof vent position **603C** as shown in **D**. Connect **603C** to middle of **602B's** using **W04** bracket as shown in **A**.

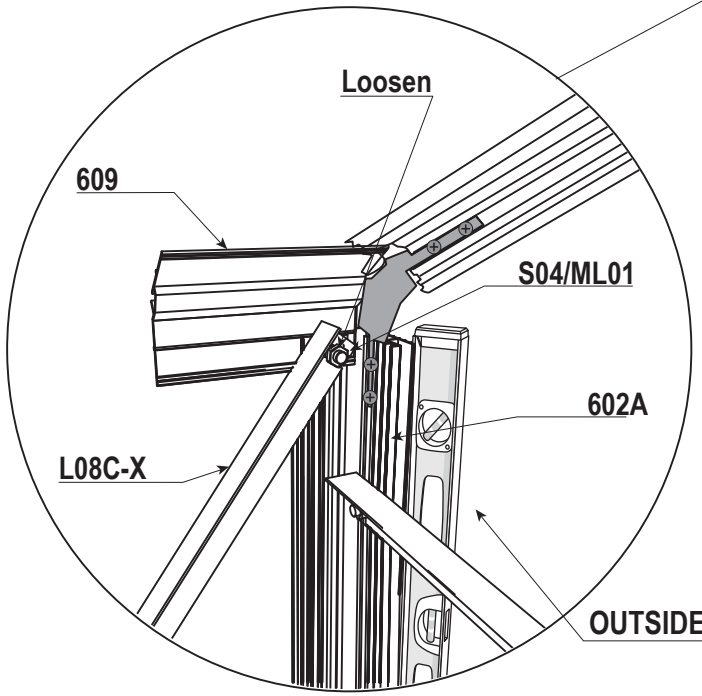
4.17 Attach **HQC01** to **616** with the screws see **B**, close roof vent and attach the handle onto **HQC02** middle pin (the first two holes of the handle to the first two holes of **HQC02**). Then attach **HQC02** to **603** with **Z04** screws, see **C**.

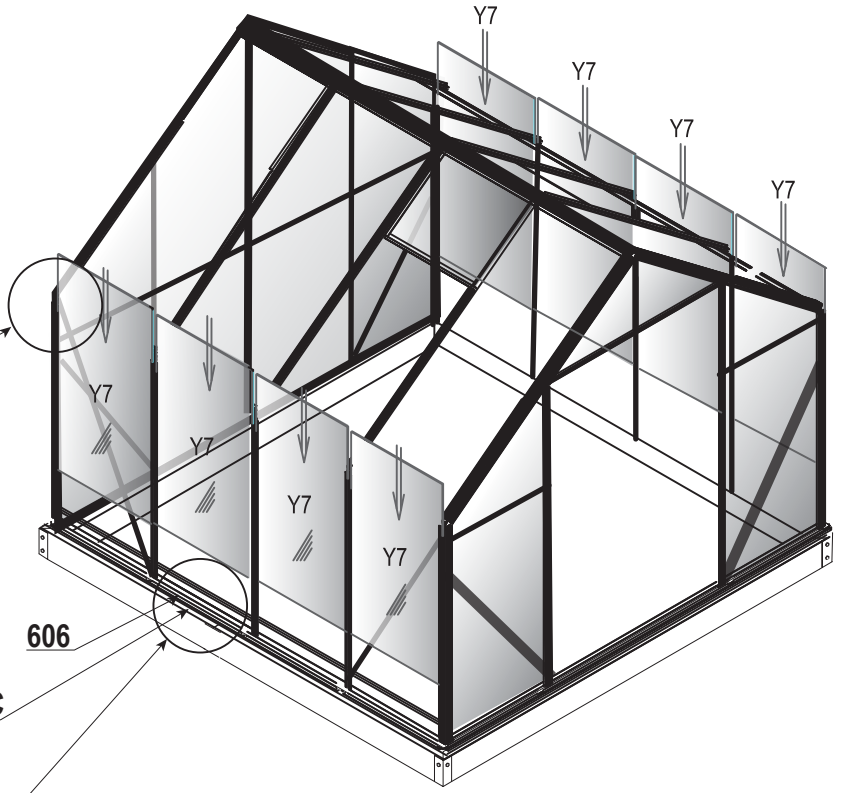


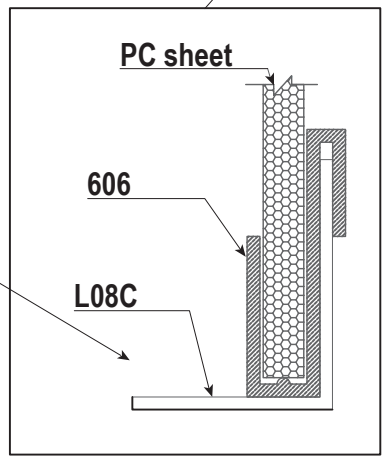
STEP FOUR

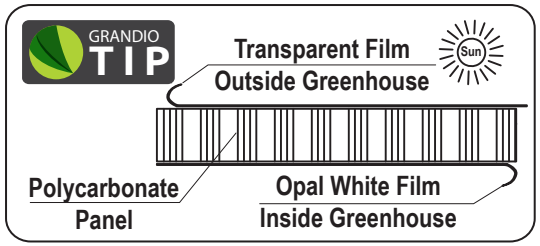
4.18 Install plastic strip **606** before inserting polycarbonate sheet **Y7's**.

4.19 After **Y7's** are installed, loosen bolts attached to **L08C-X** in all upper corners. Using a level, adjust **602A** and tighten bolts. Repeat in every corner until the greenhouse is level. The top edges of **Y7's** will align when greenhouse is level.





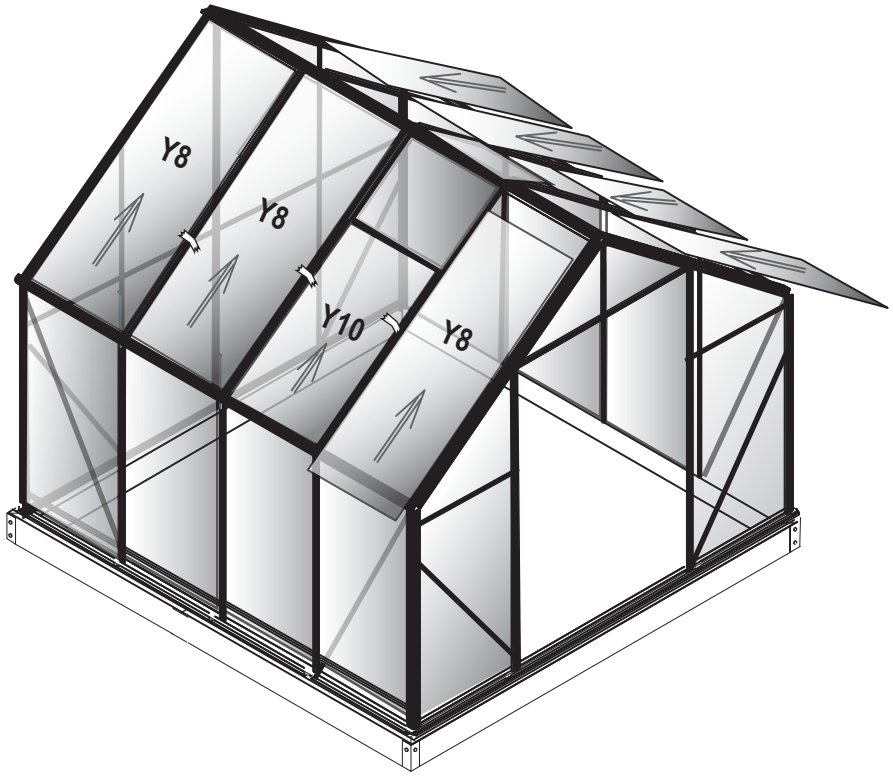


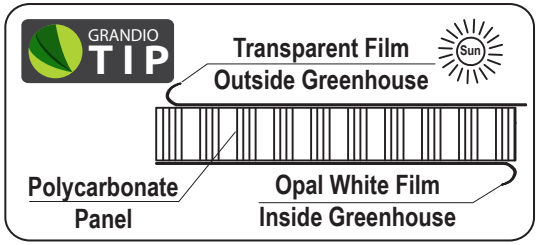


GRANDIO TIP

Make sure the UV coated side of the panel faces outward as indicated on the panels. Avoid placing the polycarbonate panels in the sun or near plants until fully assembled.

4.20 Insert polycarbonate sheets **Y8's** and **Y10's** onto the top of your greenhouse. Panels may slide out before gutters are in place. You may want to place a piece of tape on the panel to prevent sliding as shown below once the panels are in place.



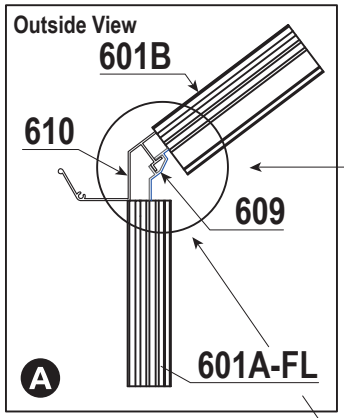


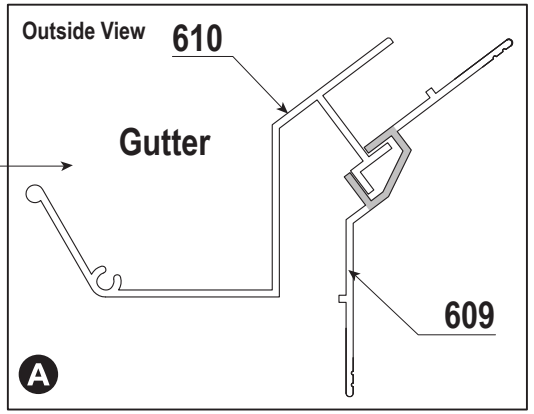
GRANDIO TIP

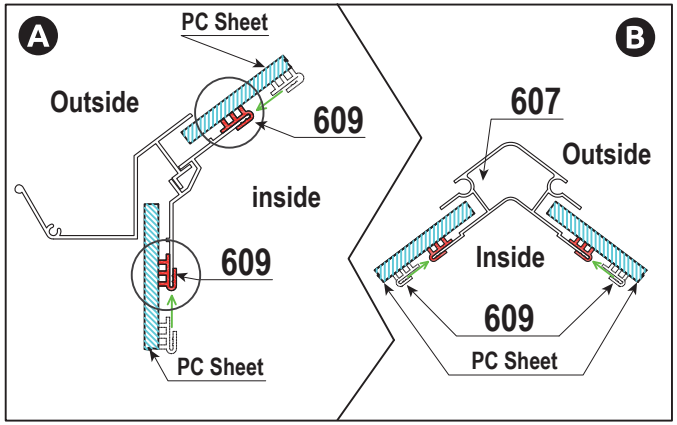
Make sure the UV coated side of the panel faces outward as indicated on the panels. Avoid placing the polycarbonate panels in the sun or near plants until fully assembled.

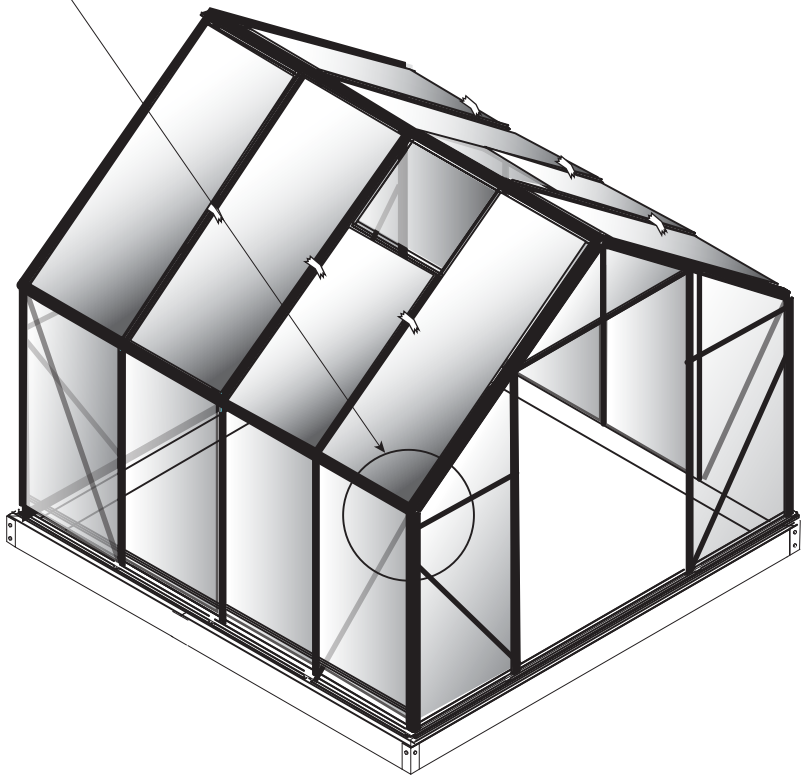
STEP FOUR

4.21 Slide **610** into **609's** groove as shown in diagram **A**. Repeat on both sides. Remove tape after gutter is fully installed. Attach **609 window seals** to the inside of roof after all panels and gutters are in place proceed to install both sides of the eave and ridge as shown in **A** and **B**.



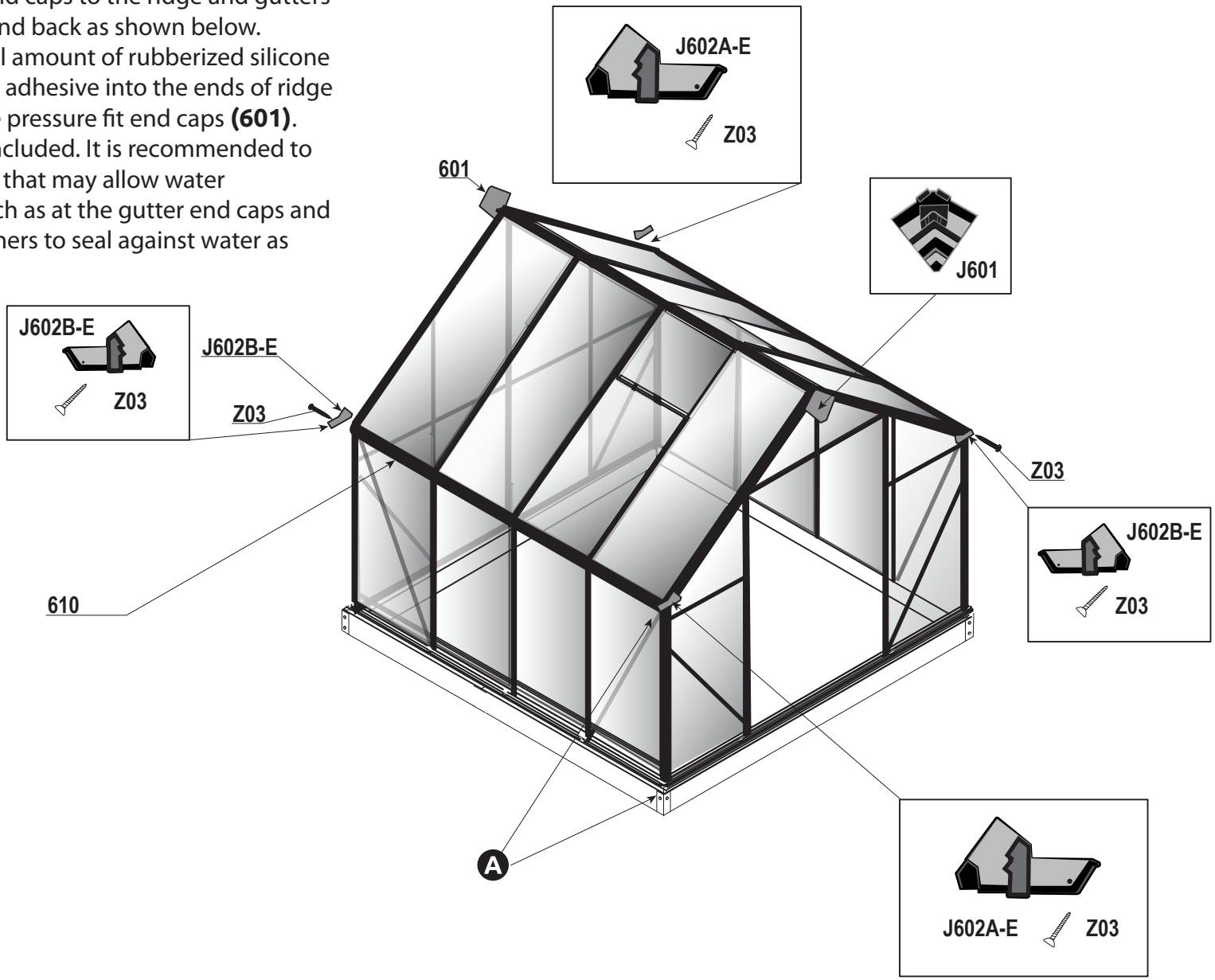






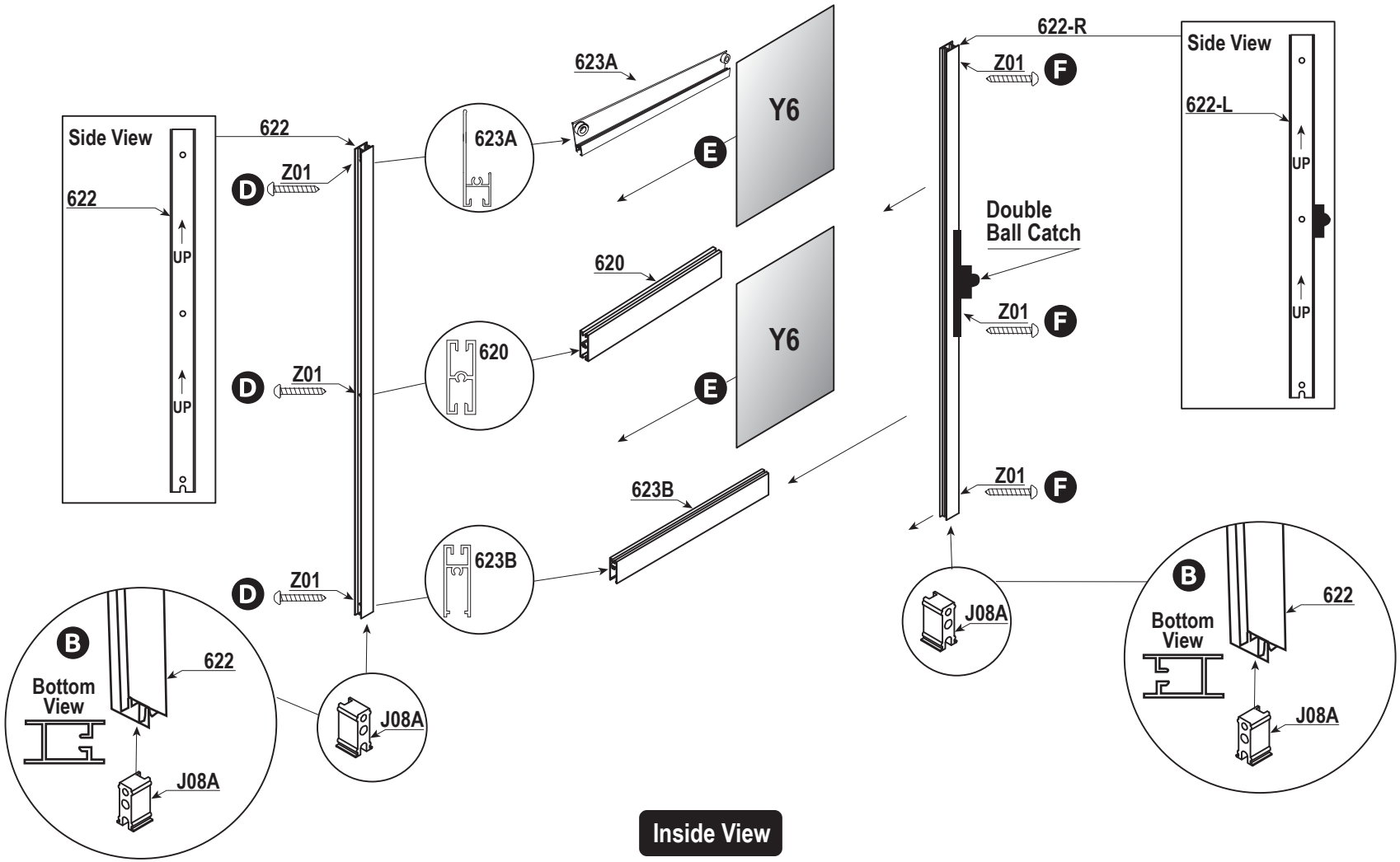
GRANDIO TIP Note that there are two parts labeled **609**, one is the gutter support, the other is a clip that fits on inside of greenhouse to support polycarbonate panels.

4.22 Attach end caps to the ridge and gutters on both front and back as shown below. Squeeze a small amount of rubberized silicone or construction adhesive into the ends of ridge **(607)** to secure pressure fit end caps **(601)**. Adhesive not included. It is recommended to caulk any areas that may allow water penetration such as at the gutter end caps and at the base corners to seal against water as shown in **A**.



STEP FIVE

DOOR ASSEMBLY DIAGRAM

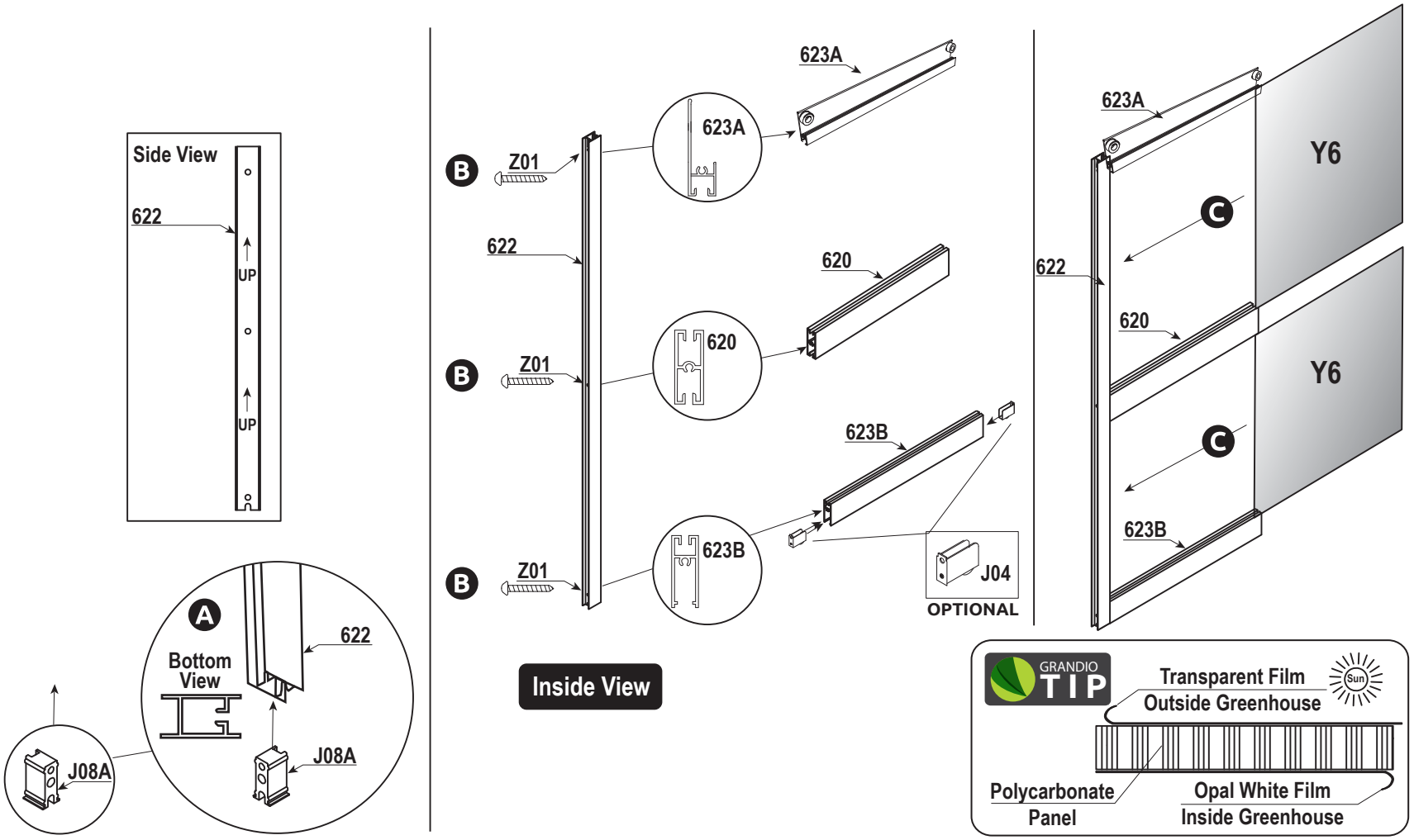


Inside View

5.1 Insert **J08A** into the bottom of the **622**, note the bottom groove is smaller than the top groove of **622**, see **A** , note the **J04** Roller is optional, some people prefer not to use the bottom roller.

5.2 Use the **Z01** screws to attach the **622** to the **623B, 623A** and **620** as shown in **B**.

5.3 Insert **Y6 windows** into position as shown in **C** , make sure to match doors up to each by laying out parts for other door now so window panels face the right direction to the sun, and the locks match up.

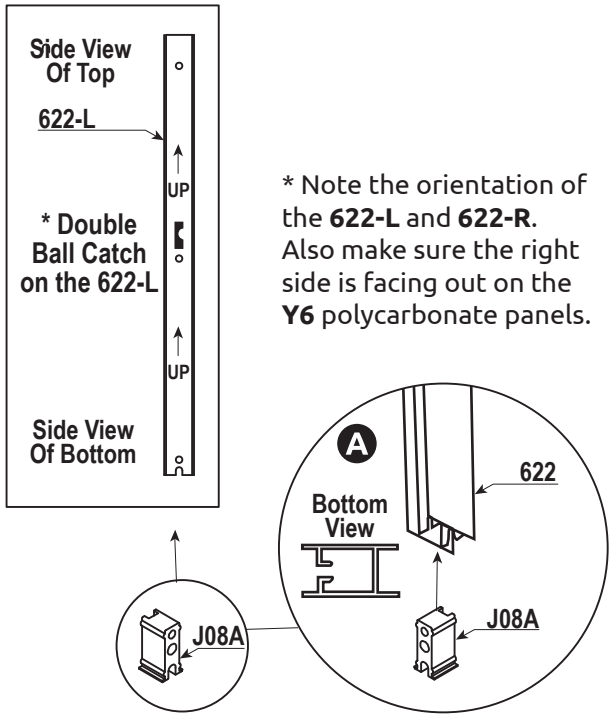


STEP FIVE

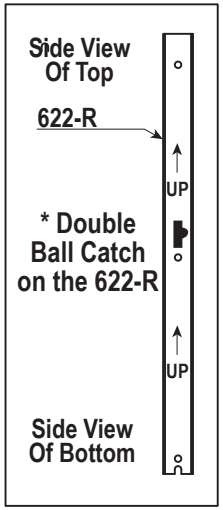
5.4 Insert **J08A** into the bottom of the **622**, note the bottom has a groove see **A**.

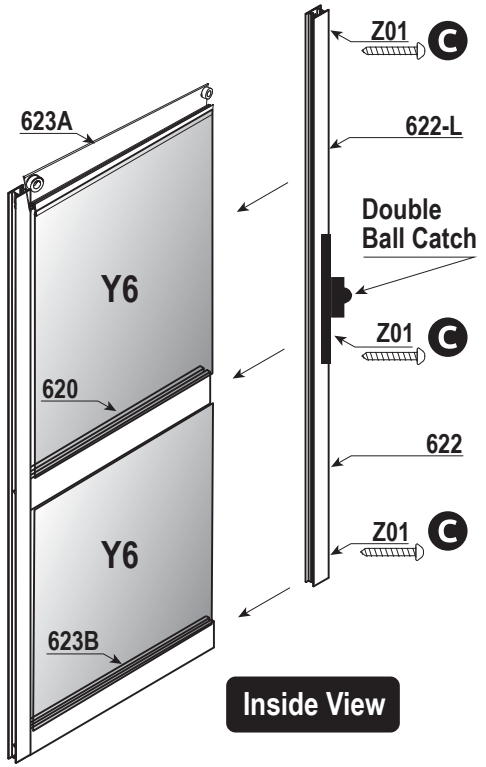
5.5 Attach the **622** to the **623B**, **623A** and **620** using the **Z01** screws as shown in **B**.

5.6 Follow the same instructions for the other door making sure that the **622-L** and **622-R** with the double ball catch match up so doors will latch closed and slide properly **C**.



* Note the orientation of the **622-L** and **622-R**. Also make sure the right side is facing out on the **Y6** polycarbonate panels.



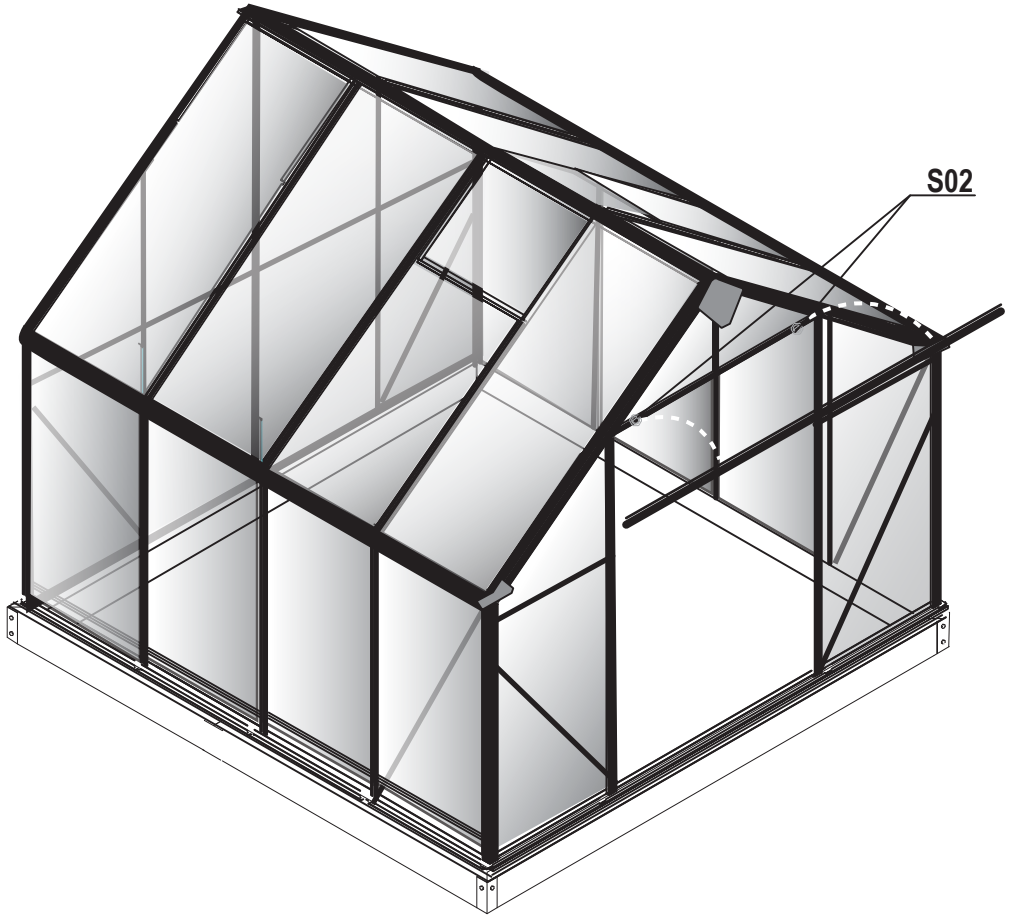


GRANDIO TIP

Pay close attention to **622** orientation during assembly. (2) of the (4) **622's** will have holes for attaching handles and a brass double ball catch for the closure of the doors.

DOOR ASSEMBLY

5.7 With one person inside greenhouse line up hanging door track with door header, move bolts on **L21** to line up with bolt holes on door header **603B**. From the inside attach the **S02** nut and bolt set and tighten while holding firmly as high as possible in position from the outside.

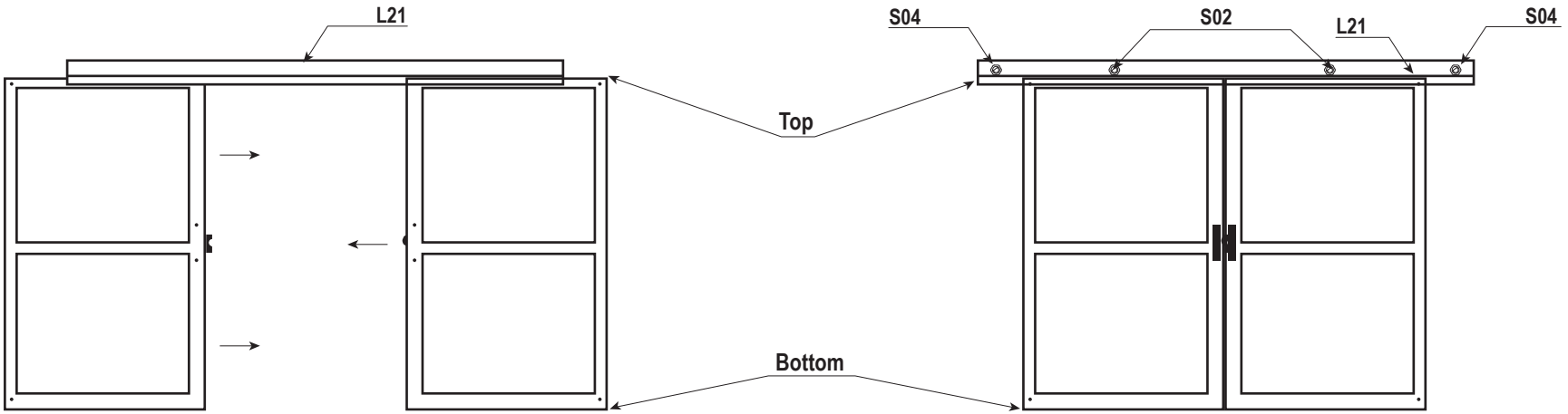


STEP FIVE

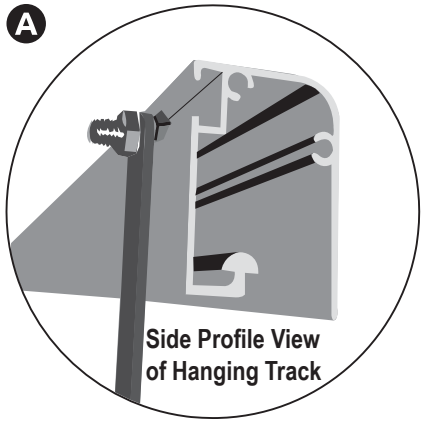
DOOR INSTALLATION

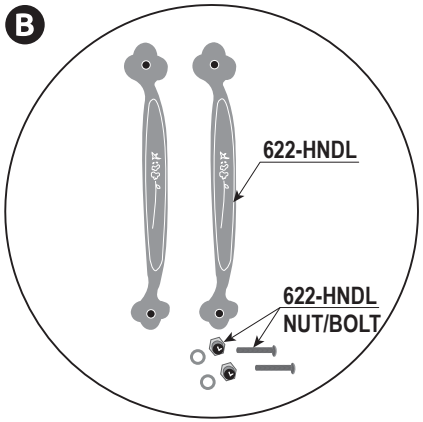
5.8 Separately slide the top of the doors in the left and right side of **L21**, see diagram **A**, until they latch in the middle.

5.9 Attach the door handles **622-HNDL** to both doors using the **622-HNDL-NUT/BOLT** provided to both doors as shown below in **B**, and **C**.

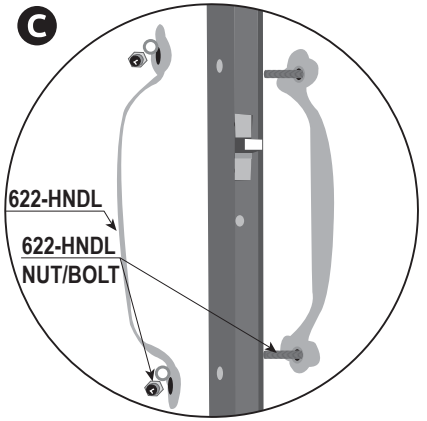


Outside View





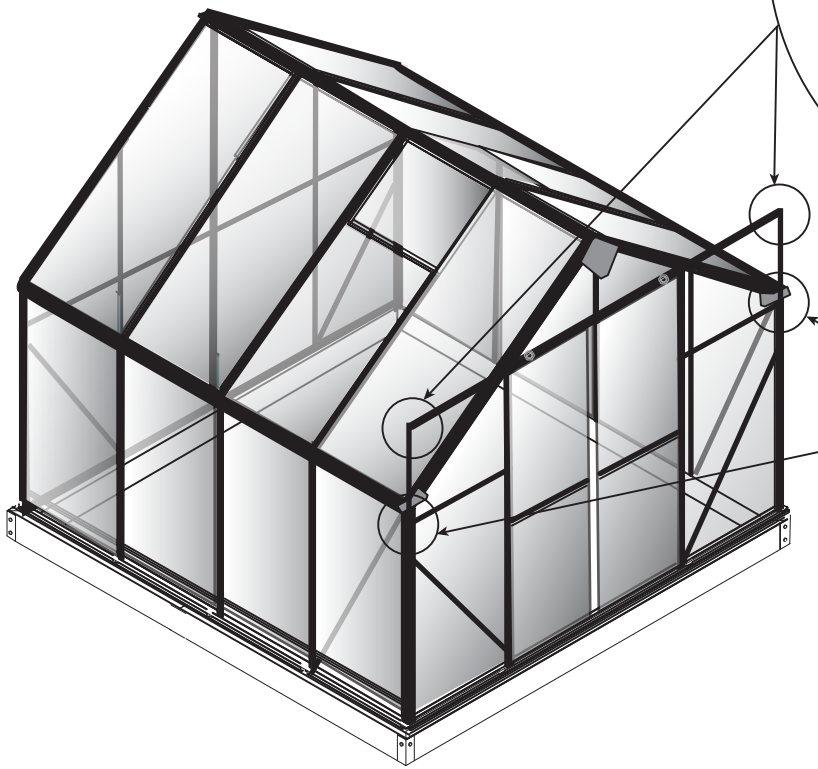
Inside View

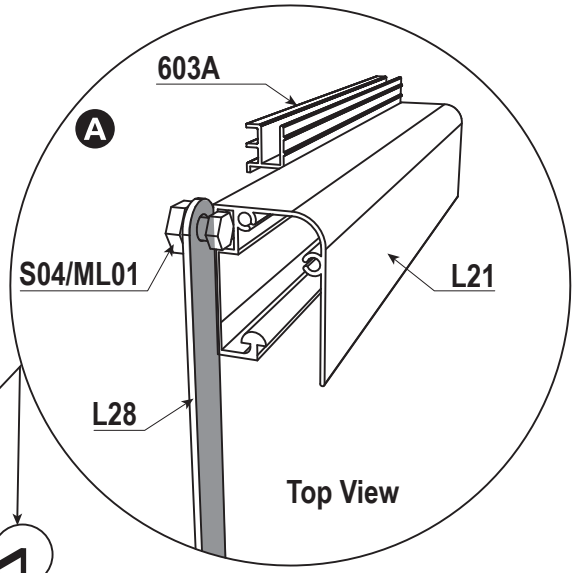


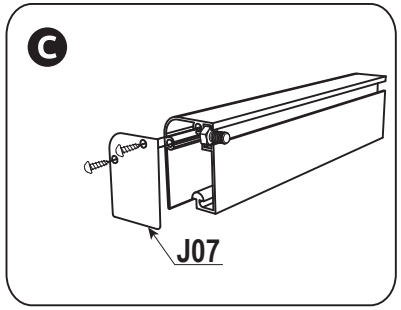
DOOR INSTALLATION

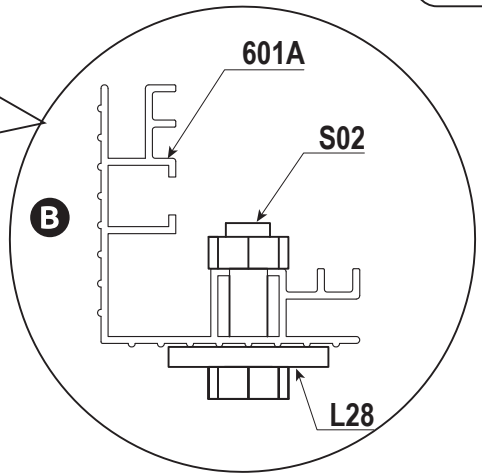
5.10 Attach **L28** to **L21** and **601A** as shown below in diagram **A** and **B**. Attach (2) **J07** to the ends of **L21** see **C**.

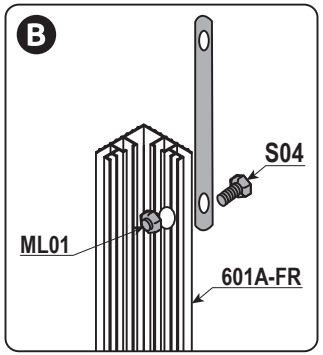
5.11 Remove all plastic film from polycarbonate window panels immediately.

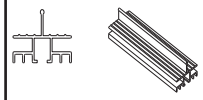
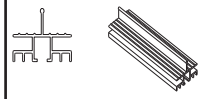
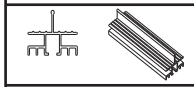
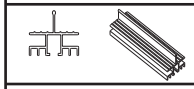
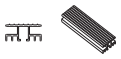
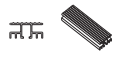


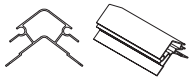
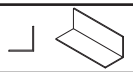
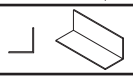
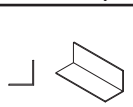
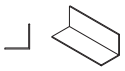
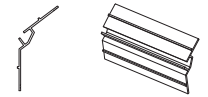
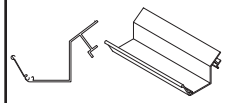
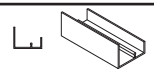
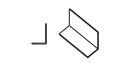


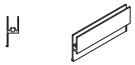
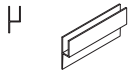
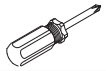


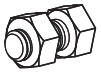
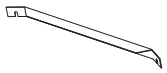
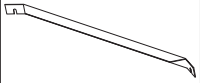


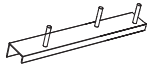
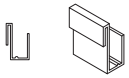
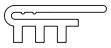
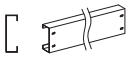
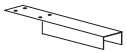
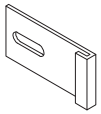


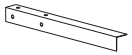
PICTURE	PARTS NO.	GREENHOUSE MODELS	DESCRIPTION	QTY	✓
	601A-B	ALL MODELS	49 1/8" BACK CORNERS	2	
	601A-FL	ALL MODELS	49 1/8" FRONT LEFT CORNER	1	
	601A-FR	ALL MODELS	49 1/8" FRONT RIGHT CORNER	1	
	601B	ALL MODELS	57 1/8" CORNER ROOF	4	
	602A	GRA-88	49 1/8" SIDE	6	
		GRA-812	49 1/8" SIDE	10	
	602B	GRA-88	57 1/8" ROOF	6	
		GRA-812	57 1/8" ROOF	10	
	603A	ALL MODELS	84" BACK	1	
	603B	ALL MODELS	67" BACK	2	
	603D	ALL MODELS	47 5/16" FRONT	1	
	603C	GRA-88	21 7/8" BACK	4	
		GRA-812	21 7/8" BACK	6	
	603E	ALL MODELS	17" FRONT	1	
	604-R	ALL MODELS	65 9/16" FRONT RIGHT	1	
	604-L	ALL MODELS	THEY WILL BE PACKED TOGETHER	1	

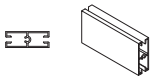
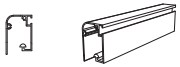
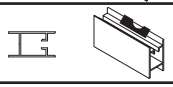
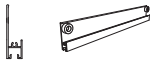
	607	GRA-88	94 5/16" ROOF	1	
		GRA-812	142 5/16" ROOF	1	
	L08A	ALL MODELS	94 5/16" BACK	1	
	L08B	ALL MODELS	THEY WILL BE PACKED TOGETHER	1	
	L08C	GRA-88	94 5/16" SIDES	4	
		GRA-812	142 5/16" SIDES	4	
	L08D	ALL MODELS	24 3/16" FRONT	2	
	609	GRA-88	94 5/16" SIDES	2	
		GRA-812	142 5/16" SIDES	2	
	610	GRA-88	96 7/16" SIDE GUTTERS	2	
		GRA-812	142 7/16" SIDE GUTTERS	2	
	619	ALL MODELS	94 5/16" FRONT	1	
	L08A-X	ALL MODELS	43 5/16" FRONT	2	
	L08B-X	ALL MODELS	43 5/16" BACK	2	
	L08C-X	ALL MODELS	54 5/16" SIDES	4	

	615	GRA-88	22 3/4" ROOF WINDOW	2	
		GRA-812	22 3/4" ROOF WINDOW	4	
	616	GRA-88	22 3/4" ROOF WINDOW	2	
		GRA-812	22 3/4" ROOF WINDOW	4	
	618	GRA-88	19 9/16" ROOF WINDOW	4	
		GRA-812	19 9/16" ROOF WINDOW	8	
	W01	ALL MODELS	FRONT & BACK	2	
	W02	ALL MODELS	FRONT & BACK	4	
	W02T	ALL MODELS	FRONT	2	
	W04	GRA-88	ROOF	5	
		GRA-812	ROOF	9	
	W04-1	ALL MODELS	BACK	2	
	W11	ALL MODELS	#2 PHILLIPS SCREWDRIVER	1	
	Z01	ALL MODELS	4X30	13	
	Z02	GRA-88	5X12 MM	9	
		GRA-812	5X12 MM	17	
	Z03	ALL MODELS	3X25 MM	4	

	Z04	GRA-88	2 Roof Vents	4	
		GRA-812	4 Roof Vents	8	
	S02	ALL MODELS	6X20 MM	4	
	S03/M01	GRA-88	M6X10	17	
		GRA-812	M6X10	25	
	ML01/S04	GRA-88	M6X14	122	
		GRA-812	M6X14	150	
	S05	ALL MODELS	PHILLIPS SCREWS	30	
	J601	ALL MODELS	FRONT & BACK	2	
	J602A-E	ALL MODELS	FRONT & BACK	2	
	J602B-E	ALL MODELS	FRONT & BACK	2	
	BZ-1	GRA-88	23"	3	
		GRA-812	CENTRAL ROOF SUPPORT	5	
	CZ-1	GRA-88	19 3/8"	6	
		GRA-812	EAVE ROOF SUPPORT	10	

	HQC01	GRA-88	ROOF	2	
		GRA-812	ROOF	4	
	HQC02	GRA-88	ROOF	2	
		GRA-812	ROOF	4	
	L28	ALL MODELS	22"	2	
	W13	ALL MODELS	10 MM NUT DRIVER	1	
	606	GRA-88	WINDOW SEAL	14	
		GRA-812	WINDOW SEAL	18	
 BLACK WINDOW SEAL	609-WS	ALL MODELS	WINDOW SEAL	22	
		ALL MODELS	WINDOW SEAL	32	
	BASE	GRA-88	BASE SECTIONS	4	
		GRA-812	72" 97"	2 4	
	W07	GRA-88	MID BASE ANCHOR	0	
		GRA-812	MID BASE ANCHOR	2	
	W08	GRA-88	MID BASE BACK PLATE	0	
		GRA-812	MID BASE BACK PLATE	2	
	W05	GRA-88	BASE CLIP	15	
		GRA-812	BASE CLIP	19	

	W06	ALL MODELS	CORNER ANCHOR	4	
	Y1	ALL MODELS	FRONT & BACK PANEL	2	
	Y2	ALL MODELS	FRONT & BACK	2	
	Y3-1	ALL MODELS	FRONT PANEL	1	
	Y3-2	ALL MODELS	FRONT PANEL	1	
	Y4	ALL MODELS	BACK PANEL	2	
	Y5-1	ALL MODELS	BACK PANEL	1	
	Y5-2	ALL MODELS	BACK PANEL	1	
	Y6	ALL MODELS	DOOR PANEL	4	
	Y7	GRA-88	SIDE PANEL	8	
		GRA-812	SIDE PANEL	12	
	Y8	GRA-88	ROOF PANEL	6	
		GRA-812	ROOF PANEL	8	
	Y9	GRA-88	ROOF VENT PANEL	2	
		GRA-812	ROOF VENT PANEL	4	
	Y10	GRA-88	BELOW ROOF VENT	2	
		GRA-812	BELOW ROOF VENT	4	

	622-HNDL	ALL MODELS	DOOR HANDLES PACKED TOGETHER	4	
	622-HNDL NUT/BOLT	ALL MODELS	DOOR HANDLES	4	
	620	ALL MODELS	21 7/16” DOOR	2	
	L21	ALL MODELS	95 1/2” DOOR	1	
	622	ALL MODELS	64 7/16“ DOOR ALL PACKED TOGETHER	2	
	622-L	ALL MODELS	64 7/16“ LEFT DOOR	1	
	622-R	ALL MODELS	64 7/16“ RIGHT DOOR	1	
	623A	ALL MODELS	21 1/2” DOOR	2	
	623B	ALL MODELS	21 5/16“ DOOR	2	
	J04	ALL MODELS	ROLLERS OPTIONAL	4	
	J07	ALL MODELS	DOOR	2	
	J08A	ALL MODELS	DOOR	4	

NOTES

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Grandio Greenhouse Limited Lifetime Warranty

1. Grandio Greenhouses are warranted to the original purchaser to be free from defects in material or workmanship for ten years from the date of original retail purchase on all plastic panels. Additionally the aluminium frame is warrantied for life. The word "defects" is defined as imperfections that impair the use of the product.

2. Defects resulting from misuse, abuse or negligence will void this warranty. This warranty does not cover defects due to improper installation, alteration of accident. This warranty does not cover damage caused by vandalism, rusting, "acts of nature" or any other event beyond the control of the manufacturer.

3. This warranty is nontransferable and is expressly limited to the repair or replacement of defective product if the product is defective within the terms of this warranty, Grandio Greenhouses will repair or replace defective parts at no cost to the purchaser. Shipping charges to and from the factory or distribution center are not covered and are the responsibility of the purchaser. Labor charges and related expenses for removal, installation or replacement of the greenhouse or its components are not covered under this warranty.

4. This warranty does not cover scratching or scuffing of the product that may result from normal usage. In addition, defects resulting from intentional damage, negligence, unreasonable use will void this warranty.

5. Liability for incidental or consequential damages is excluded to the extent permitted by law. While every attempt is made to embody the highest degree of safety in all equipment, freedom from injury cannot be guaranteed. The user assumes all risk of injury resulting from the use of this product. All merchandise is sold on this condition, and no representative of the company may waive or change this policy.

6. This product is not intended for institutional or commercial use; Grandio Greenhouses does not assume any liability for such use.

7. This warranty is expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability for use to extent permitted by Federal and State Law. Neither Grandio Greenhouses nor any representative assumes any other liability in connection with this product. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

GRANDIO

GREENHOUSES

Model GRA-88-GR & Model GRA-812-GR

GREENHOUSE USER MANUAL
KEEP IN A SAFE PLACE FOR REFERENCE

CONTACT US IF YOU NEED HELP
OR
HAVE MISSING OR DAMAGED PARTS

GRANDIOGREENHOUSES.COM

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